

BLM LIBRARY



88064521

U.S. Department of the Interior
Bureau of Land Management

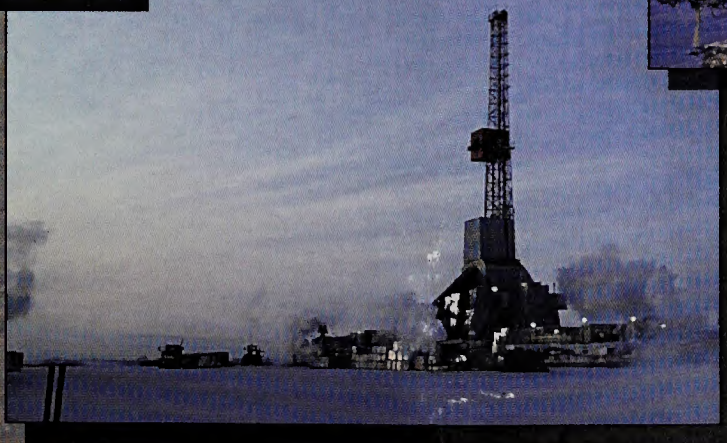
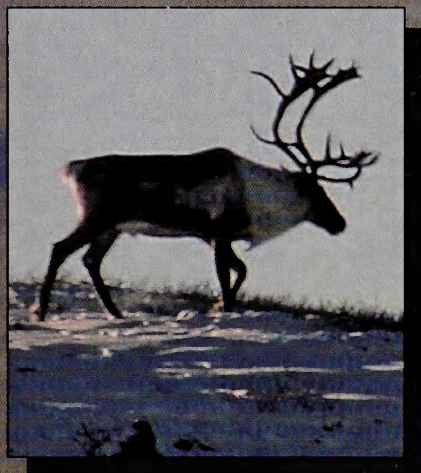
BLM

August 2007

Northeast National Petroleum Reserve-Alaska

DRAFT Supplemental
Integrated Activity Plan/Environmental Impact Statement

Volume 4: Maps



TN
872
.A7
I68
2007d
v.4
c.2

In Cooperation with the
North Slope Borough



Alaska

The Bureau of Land Management Today

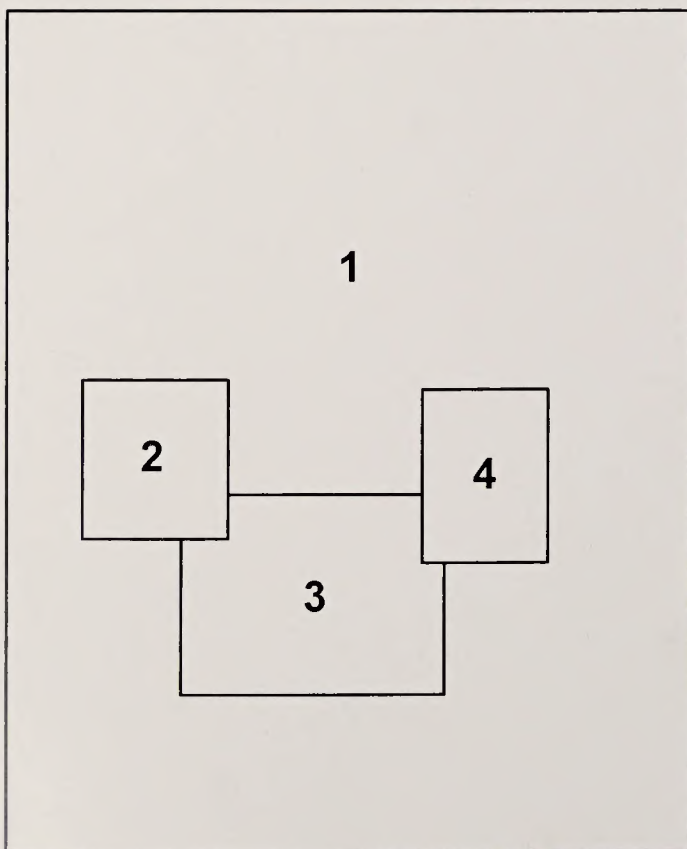
Our Vision

To enhance the quality of life for all citizens through the balanced stewardship of America's public lands and resources.

Our Mission

To sustain the health, diversity, and productivity of the public lands for the use and enjoyment of present and future generations.

BLM/AK/PL-07/020+1610+930



BLM Cover Photos:

1. Teshepuk Lake, Alaska. Photo by Richard Kemnitz.
2. Caribou, northern Alaska.
3. Drilling Rig at Hunter A well in the Northeast National Petroleum Reserve-Alaska.
Photo by BLM Branch of Energy
4. Canadian Goose, northern Alaska.

Northeast National Petroleum
Reserve-Alaska

Draft

Supplemental Integrated Activity Plan/
Environmental Impact Statement

VOLUME IV: Maps

Prepared by

U.S. Department of Interior
Bureau of Land Management
Anchorage, Alaska

In Cooperation with the North Slope Borough

August 2007

TABLE OF CONTENTS

VOLUME IV: MAPS

- 1-1. National Petroleum Reserve-Alaska and the North Slope
- 1-2. Generalized Land Status in the National Petroleum Reserve-Alaska
- 1-3. Special Areas within the National Petroleum Reserve-Alaska
- 1-4. Tracts Leased in the Northeast National Petroleum Reserve-Alaska in 1999 and 2002

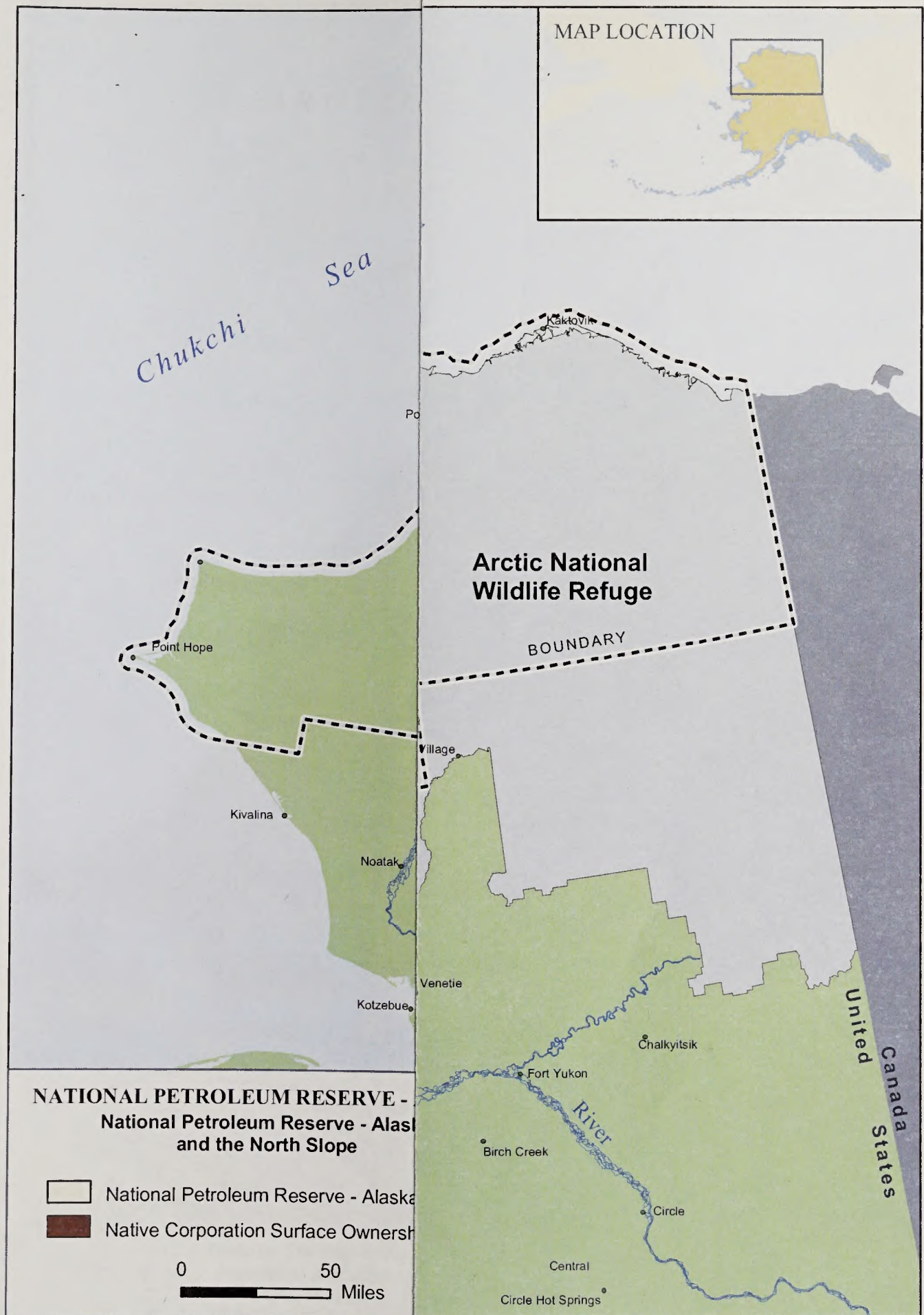
- 2-1. Northeast National Petroleum Reserve-Alaska Alternative A (No Action Alternative)
- 2-2. Northeast National Petroleum Reserve-Alaska Alternative B
- 2-3. Northeast National Petroleum Reserve-Alaska Alternative C
- 2-4. Northeast National Petroleum Reserve-Alaska Alternative D
- 2-5. Northeast National Petroleum Reserve-Alaska Alternative D: Goose Molting Area

- 3-1. Major Sedimentary Basins and Tectonic Features in the Northern Alaska and Contiguous Offshore Continental Shelves
- 3-2. North Slope and the National Petroleum Reserve-Alaska Oil and Gas Fields and Pipelines and Active Leases
- 3-3. Oil Potential of the Northeast National Petroleum Reserve-Alaska
- 3-4. Oil and Gas Fields and Selected Exploration Wells and Recent Exploratory Wells in the National Petroleum Reserve-Alaska and Prudhoe Bay
- 3-5. Soil Types in the Northeast National Petroleum Reserve-Alaska
- 3-6. Major Drainages and Hydrologic Units in the National Petroleum Reserve-Alaska
- 3-7. Locations and Depths of Lakes and Ponds in the Northeast National Petroleum Reserve-Alaska
- 3-8. Earth Cover in the Northeast National Petroleum Reserve-Alaska
- 3-9. Onshore Density and Nearshore Beaufort Sea Distribution of Pacific Loons in the Northeast National Petroleum Reserve-Alaska
- 3-10. Onshore Density and Offshore Beaufort Sea Distribution of Yellow-billed Loons in the Northeast National Petroleum Reserve-Alaska
- 3-11. Onshore Density and Nearshore and Offshore Beaufort Sea Locations of Red-throated Loons in the Northeast National Petroleum Reserve-Alaska
- 3-12. Onshore Density and Nearshore Beaufort Sea Locations of Tundra Swans in the Northeast National Petroleum Reserve-Alaska
- 3-13. Onshore Density of Greater White-fronted Geese and Brant Breeding Colonies and Post-nesting Brood Flocks in the Northeast National Petroleum Reserve-Alaska
- 3-14. Average Occurance of all Adult and Juvenile Geese on Goose Molting Lakes in the Northeast National Petroleum Reserve-Alaska
- 3-15. Onshore Density and Nearshore Beaufort Sea Distribution of Northern Pintails in the Northeast National Petroleum Reserve-Alaska
- 3-16. Onshore Density and Nearshore Beaufort Sea Distribution of Long-tailed Ducks in the Northeast National Petroleum Reserve-Alaska

- 3-17. Onshore Density, Nearshore and Offshore Beaufort Sea Distribution and Selected Locations of Satellite-Transmitter Equipped King Eiders in the Northeast National Petroleum Reserve-Alaska
- 3-18. Onshore Density of Large Shorebirds in the Northeast National Petroleum Reserve-Alaska
- 3-19. Locations of Raptor Nesting/Activity Sites in the Northeast National Petroleum Reserve-Alaska
- 3-20. Teshekpuk Lake Herd Caribou Seasonal Ranges in the Northern Alaska (1990-2005 Satellite Telemetry Data)
- 3-21. Central Arctic Caribou Seasonal Ranges in Northern Alaska
- 3-22. Western Arctic Herd Caribou Seasonal Ranges in Northern Alaska
- 3-23. Teshekpuk Lake Caribou Herd Calving Areas (successful females only) in the Northeast National Petroleum Reserve-Alaska
- 3-24. Teshekpuk Lake Caribou Herd Fly Relief Areas in the Northeast National Petroleum Reserve-Alaska (1990–2005 Satellite Telemetry Data)
- 3-25. Teshekpuk Lake Caribou Herd Mosquito Relief Areas in the Northeast National Petroleum Reserve-Alaska (1990–2005 Satellite Telemetry Data)
- 3-26. Moose, Muskox, and Wolverine Sightings and Habitat in and near the National Petroleum Reserve-Alaska
- 3-27. Ringed Seal Sightings Offshore of the Northeast National Petroleum Reserve-Alaska (1979–1999)
- 3-28. Bearded Seal Sightings Offshore of the Northeast National Petroleum Reserve-Alaska (1979–1999)
- 3-29. Polar Bear Den Sites and Sightings in and near the Northeast National Petroleum Reserve-Alaska
- 3-30. Beluga Whale Sightings Offshore of the Northeast National Petroleum Reserve-Alaska (1987–1999)
- 3-31. Bowhead Whale Density Offshore and Nearshore in the National Petroleum Reserve-Alaska
- 3-32. Onshore Density and Locations of Spectacled Eiders in the Northeast National Petroleum Reserve-Alaska; and Nearshore and Offshore Beaufort Sea Distribution
- 3-33. Onshore Sightings of Stellar's Eiders in the Northeast National Petroleum Reserve-Alaska
- 3-34. Cultural Resources in the Northeast National Petroleum Reserve-Alaska
- 3-35. Barrow, Atqasuk, and Nuisut Community Subsistence Areas in the National Petroleum Reserve-Alaska
- 3-36. Nuiqsut Subsistence Use Areas for Moose and Birds in the National Petroleum Reserve-Alaska
- 3-37. Nuiqsut Subsistence Use Areas for Caribou, Fish, and Whales in the National Petroleum Reserve-Alaska
- 3-38. Barow Subsistence Use Areas for Whale, Moose, and Caribou in the National Petroleum Reserve-Alaska
- 3-39. Barrow Subsistence Use Areas for Fish and Birds in the National Petroleum Reserve-Alaska
- 3-40. Atqasuk Subsistence Use Areas for Caribou, Moose, Fish, and Birds in the National Petroleum Reserve-Alaska
- 3-41. Wainwright Subsistence Use Areas in the National Petroleum Reserve-Alaska

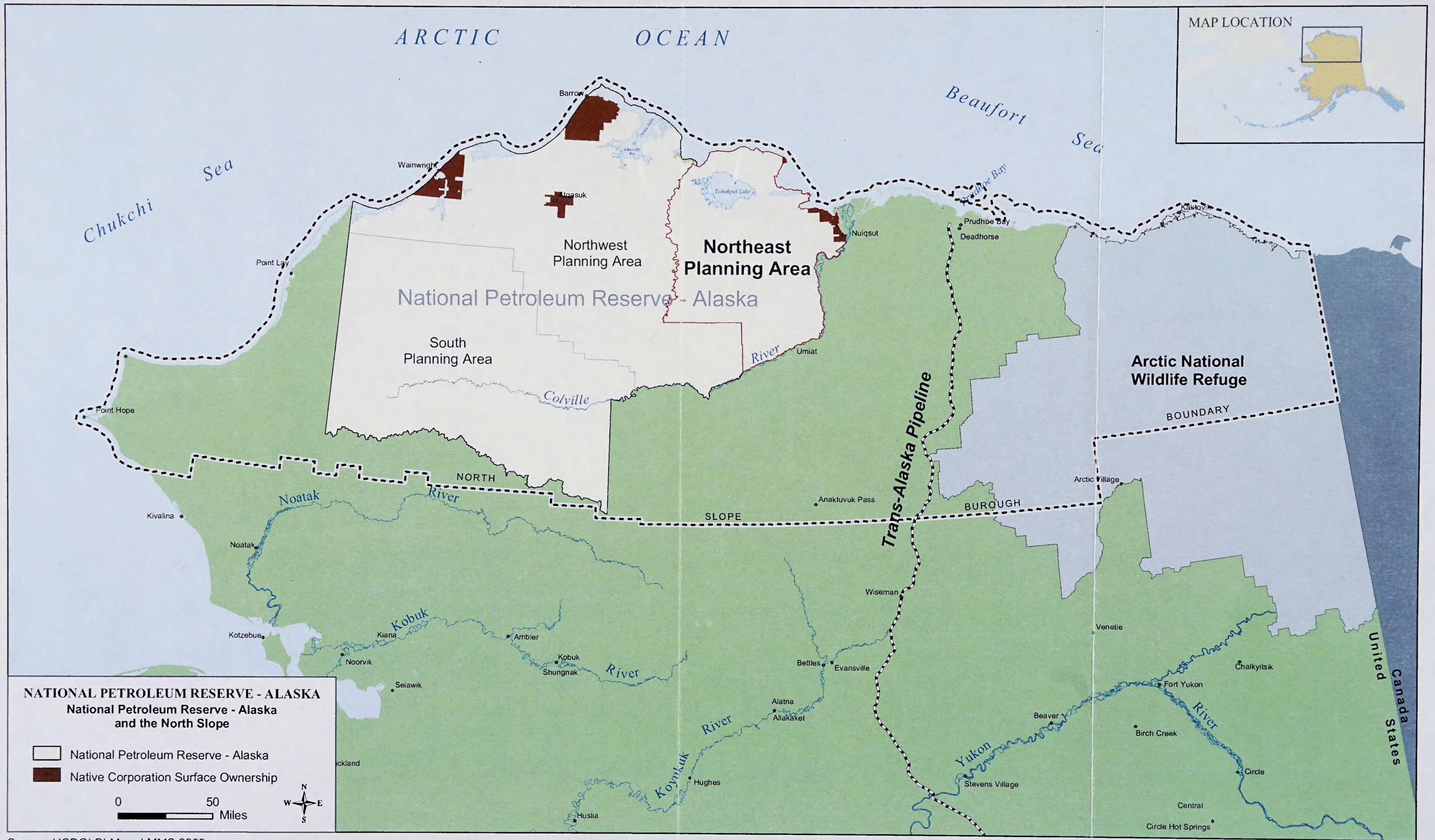
- 3-42. Anaktuvuk Pass Subsistence Use Area in and near the National Petroleum Reserve-Alaska
- 3-43. Surface and Subsurface Split Estate Lands in the National Petroleum Reserve-Alaska
- 3-44. Locations of Possible Oil and Gas Staging Facilities in the National Petroleum Reserve-Alaska
- 3-45. Visual Resource Management Scenic Quality Ratings in the Northeast National Petroleum Reserve-Alaska
- 3-46. Visual Resource Management Sensitivity Levels in the Northeast National Petroleum Reserve-Alaska
- 3-47. Visual Resource Management Distance Zones in the Northeast National Petroleum Reserve-Alaska
- 3-48. Visual Resource Management Inventory Classes in the Northeast National Petroleum Reserve-Alaska

3-13	...
3-14	...
3-15	...
3-16	...
3-17	...
3-18	...
3-19	...
3-20	...
3-21	...
3-22	...
3-23	...
3-24	...
3-25	...
3-26	...
3-27	...
3-28	...
3-29	...
3-30	...
3-31	...
3-32	...
3-33	...
3-34	...
3-35	...
3-36	...
3-37	...
3-38	...
3-39	...
3-40	...
3-41	...
3-42	...
3-43	...
3-44	...
3-45	...
3-46	...
3-47	...
3-48	...
3-49	...
3-50	...
3-51	...
3-52	...
3-53	...
3-54	...
3-55	...
3-56	...
3-57	...
3-58	...
3-59	...
3-60	...
3-61	...
3-62	...
3-63	...
3-64	...
3-65	...
3-66	...
3-67	...
3-68	...
3-69	...
3-70	...
3-71	...
3-72	...
3-73	...
3-74	...
3-75	...
3-76	...
3-77	...
3-78	...
3-79	...
3-80	...
3-81	...
3-82	...
3-83	...
3-84	...
3-85	...
3-86	...
3-87	...
3-88	...
3-89	...
3-90	...
3-91	...
3-92	...
3-93	...
3-94	...
3-95	...
3-96	...
3-97	...
3-98	...
3-99	...
3-100	...



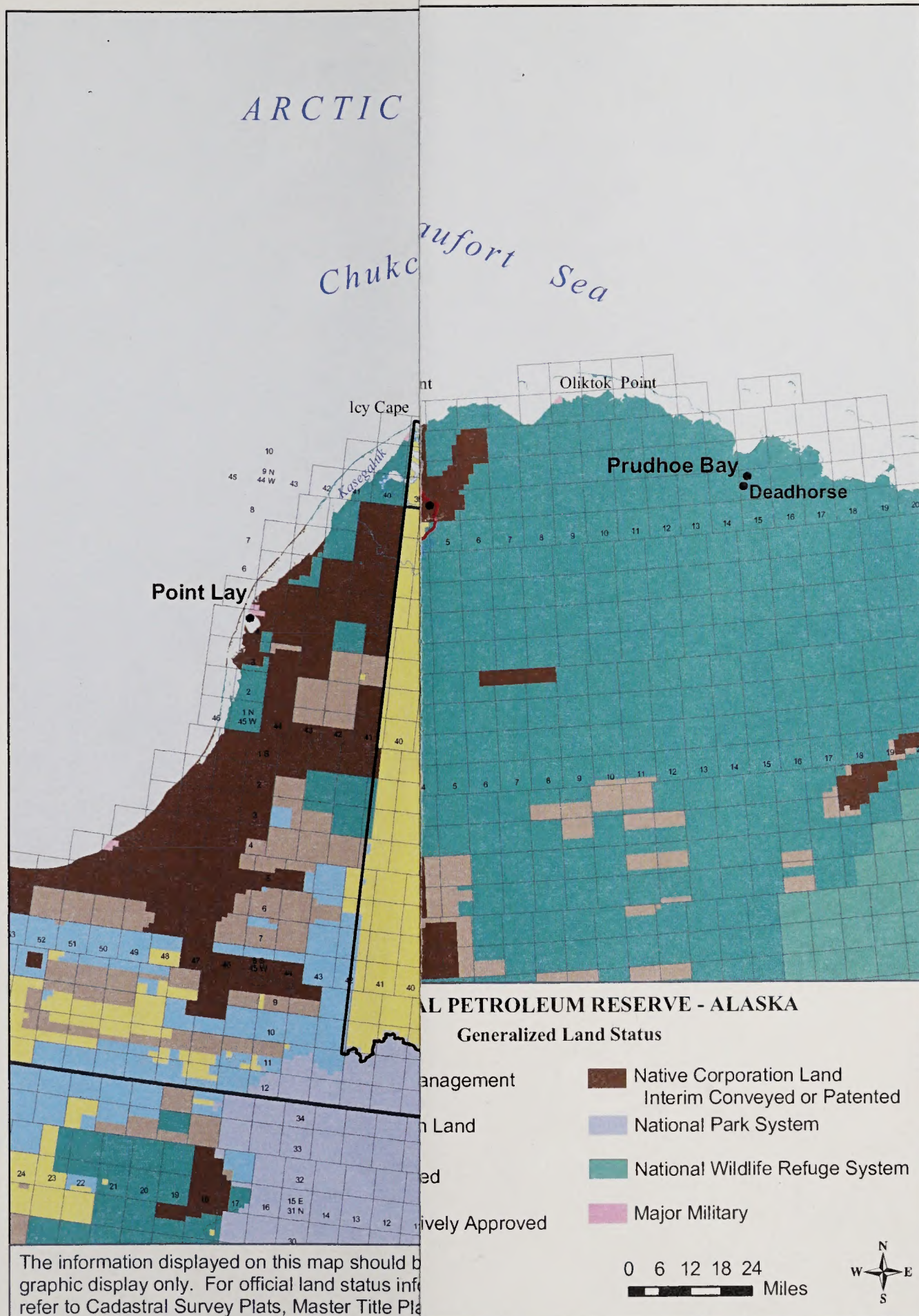
Source: USDOI BLM and MMS 2003

Map 1-1. National Petroleum Reserve



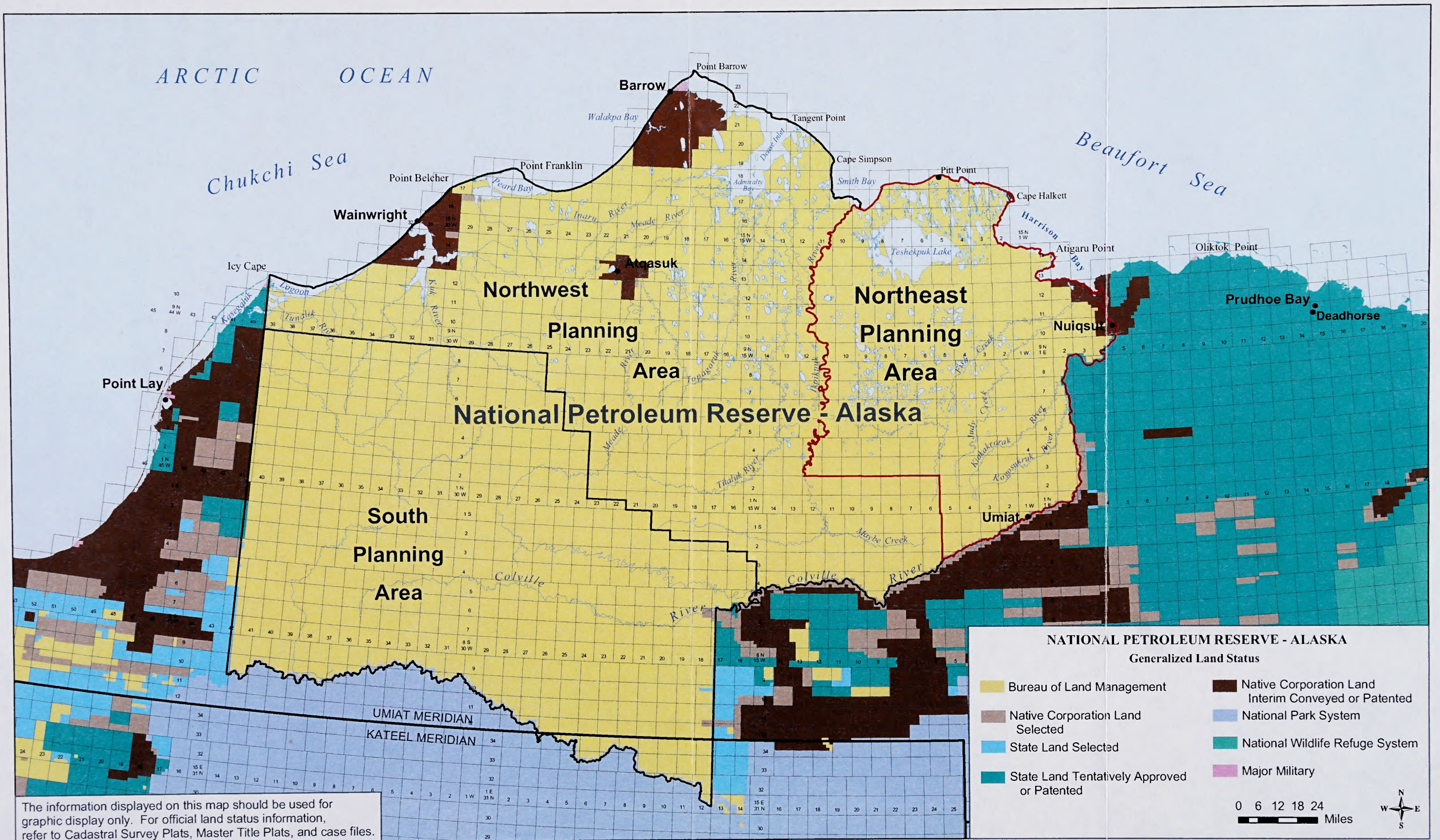
Source: USDOI BLM and MMS 2003

Map 1-1. National Petroleum Reserve-Alaska and the North Slope



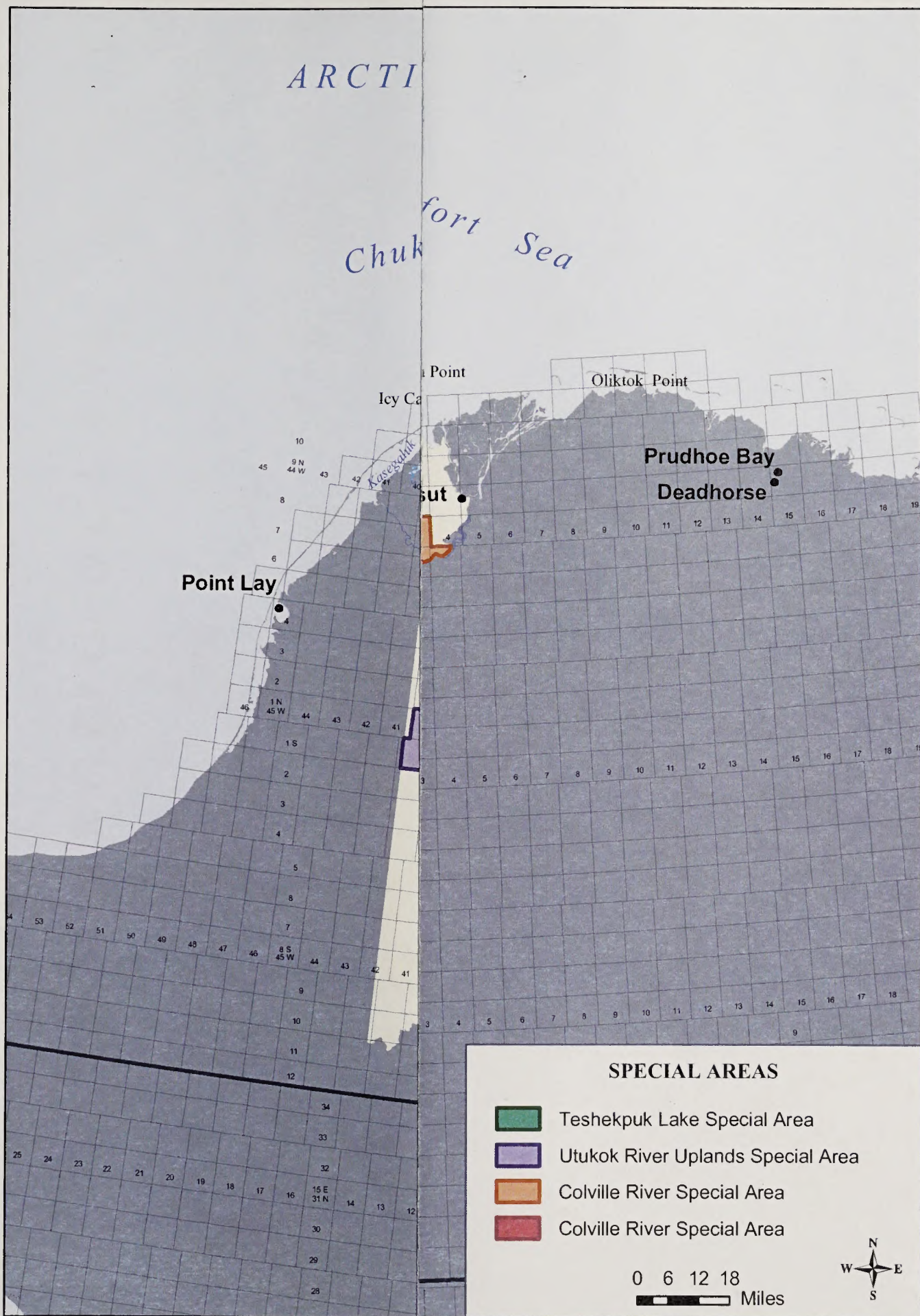
Source: USDOI BLM and MMS 2006

Map 1-2. Generalized Land Status



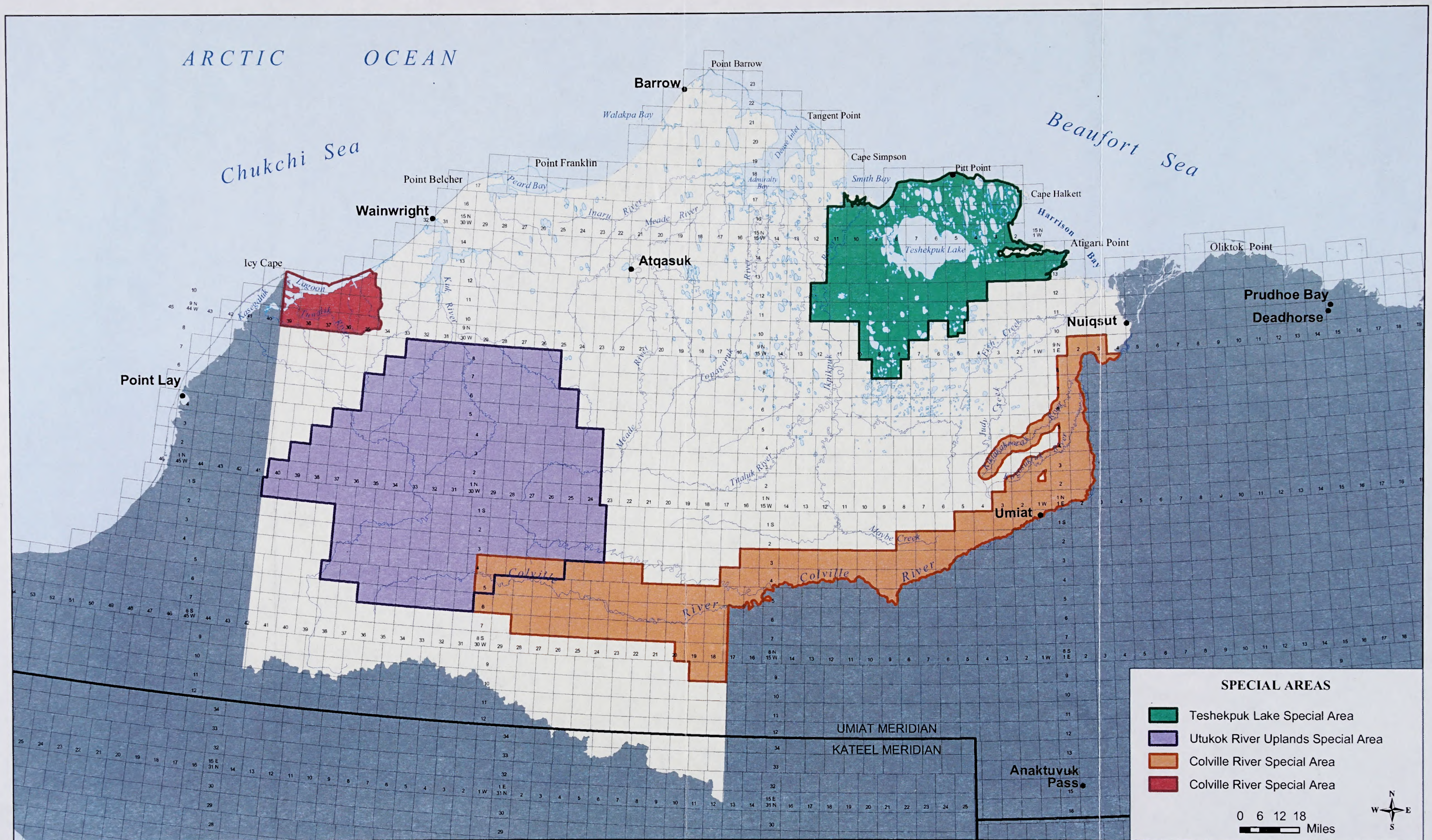
Source: USDOI BLM and MMS 2006

Map 1-2. Generalized Land Status in the National Petroleum Reserve-Alaska



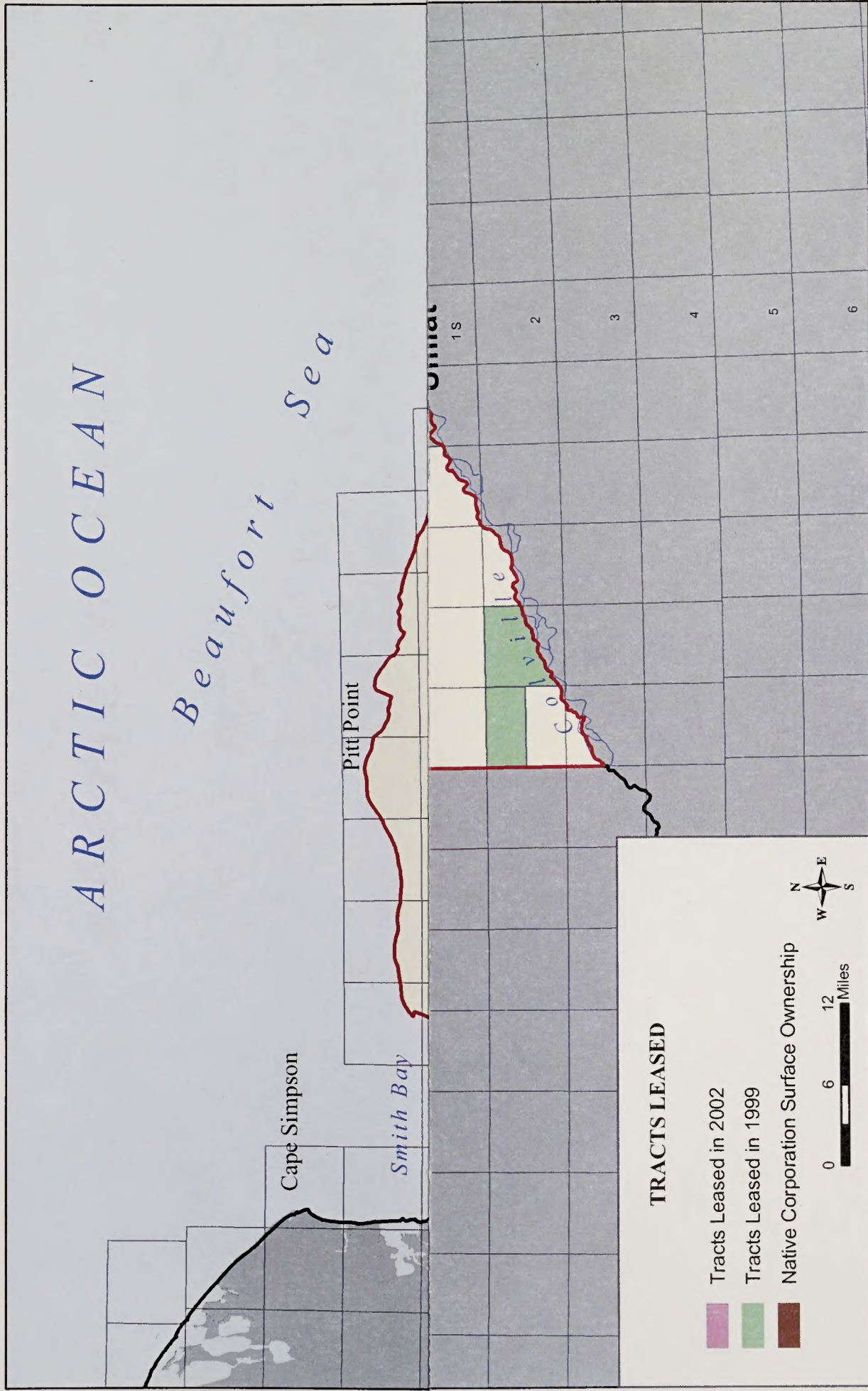
Source: USDOI BLM and MMS 2003

Map 1-3. Special Areas within the



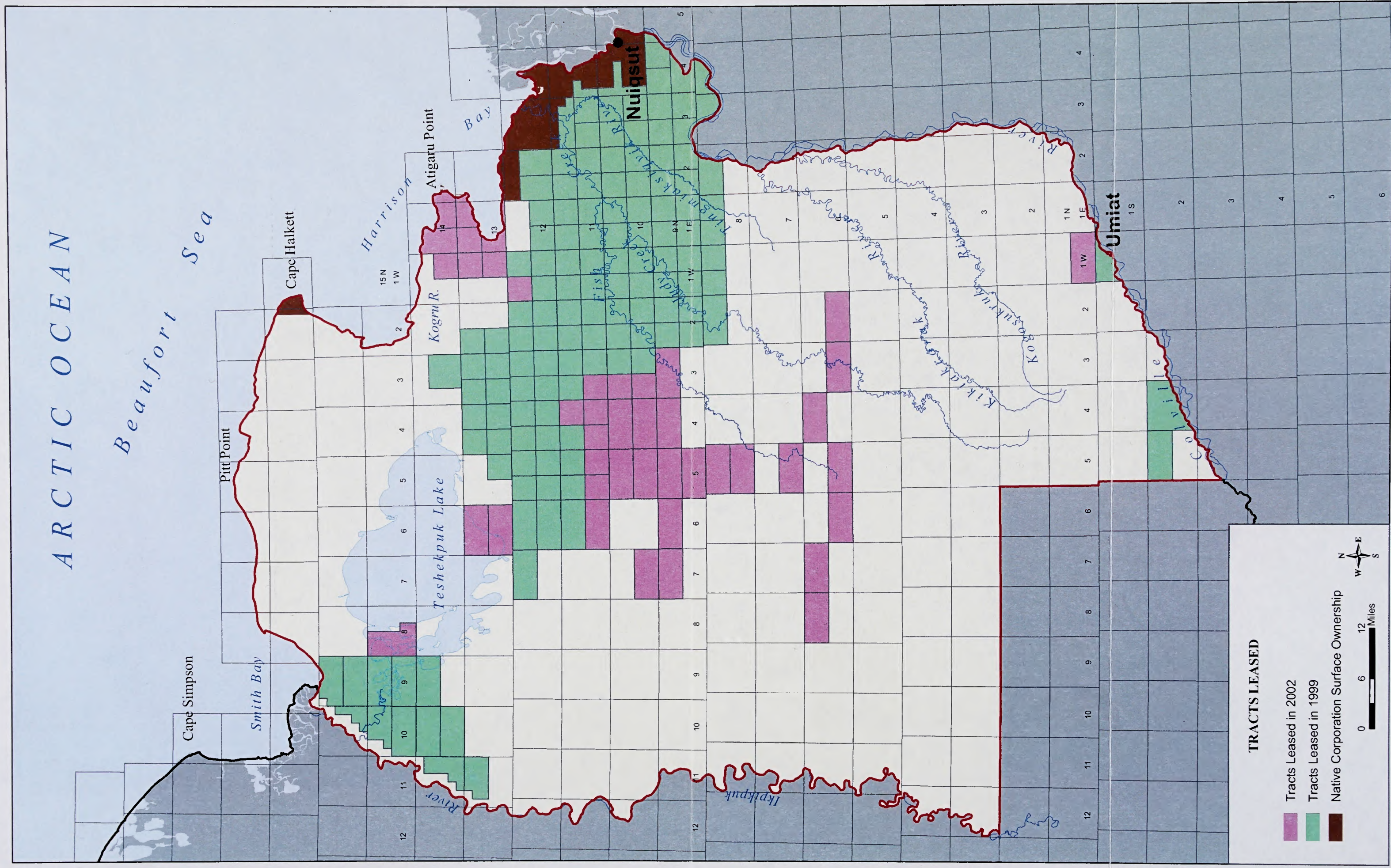
Source: USDOI BLM and MMS 2003

Map 1-3. Special Areas within the National Petroleum Reserve-Alaska

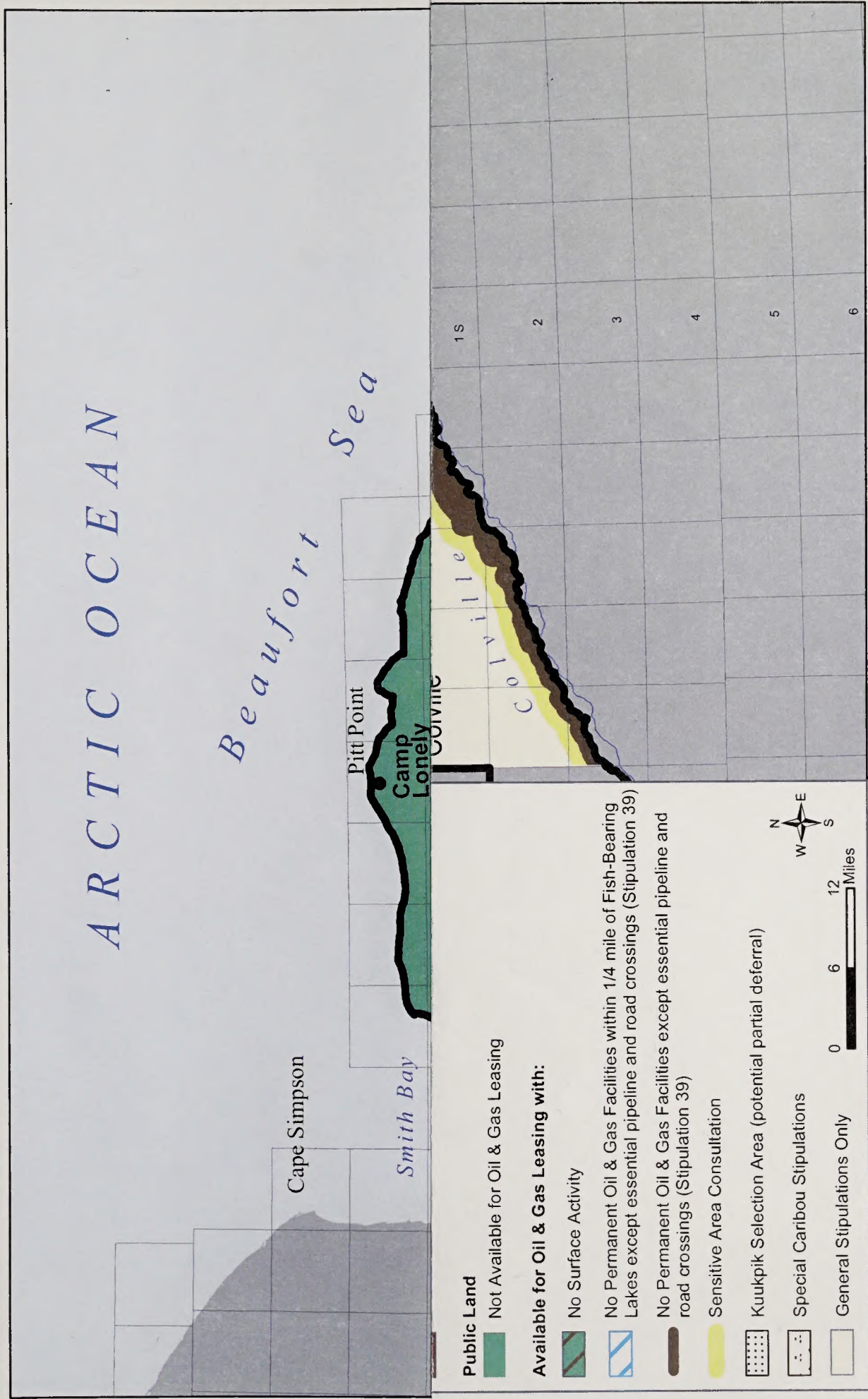


Source: USDOl and MMS 2003

Map 1-4. Tracts Leased in the Northeast National Petroleum Reserve-Alaska in 1999 and 2002

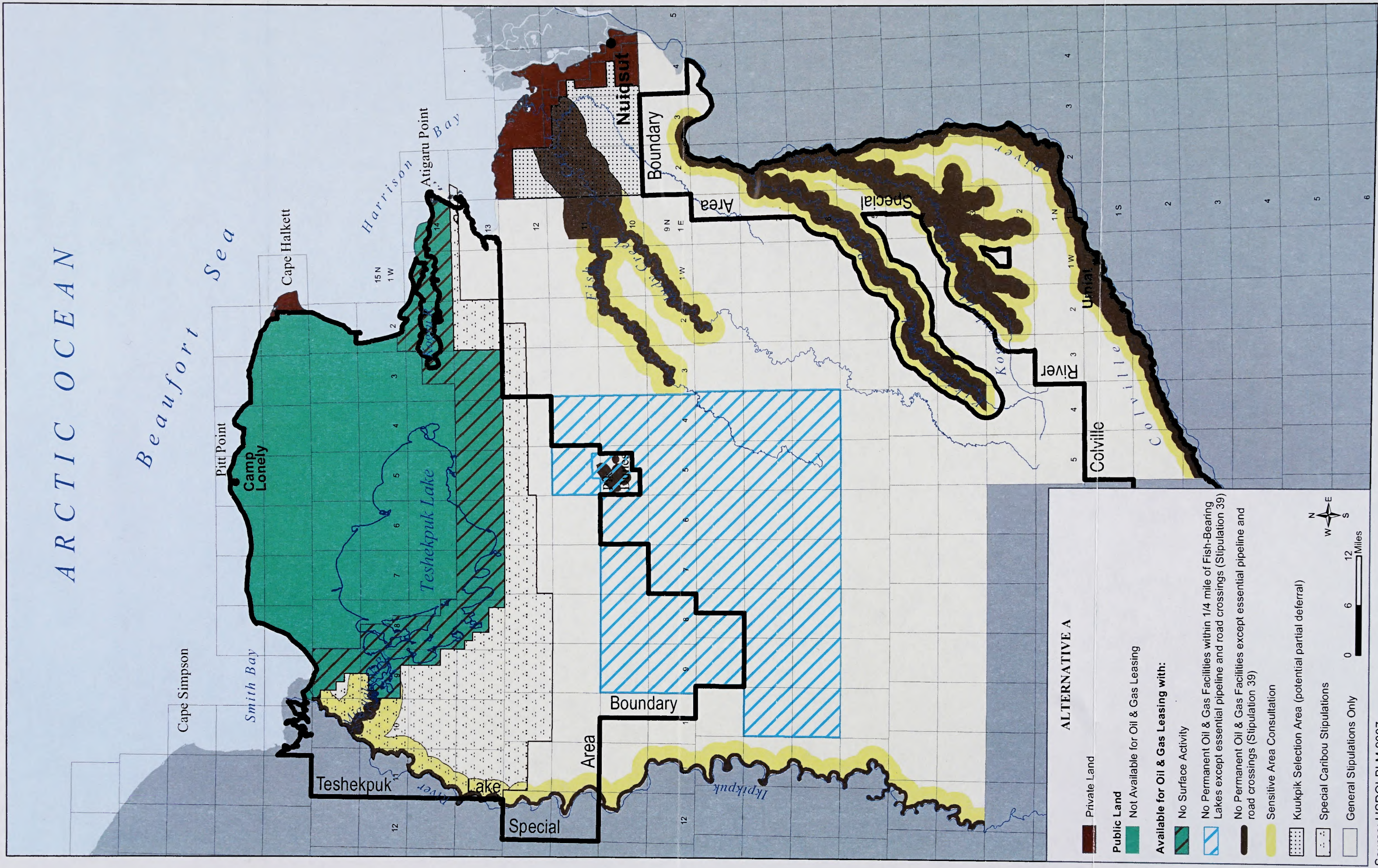


Map 1-4. Tracts Leased in the Northeast National Petroleum Reserve-Alaska in 1999 and 2002



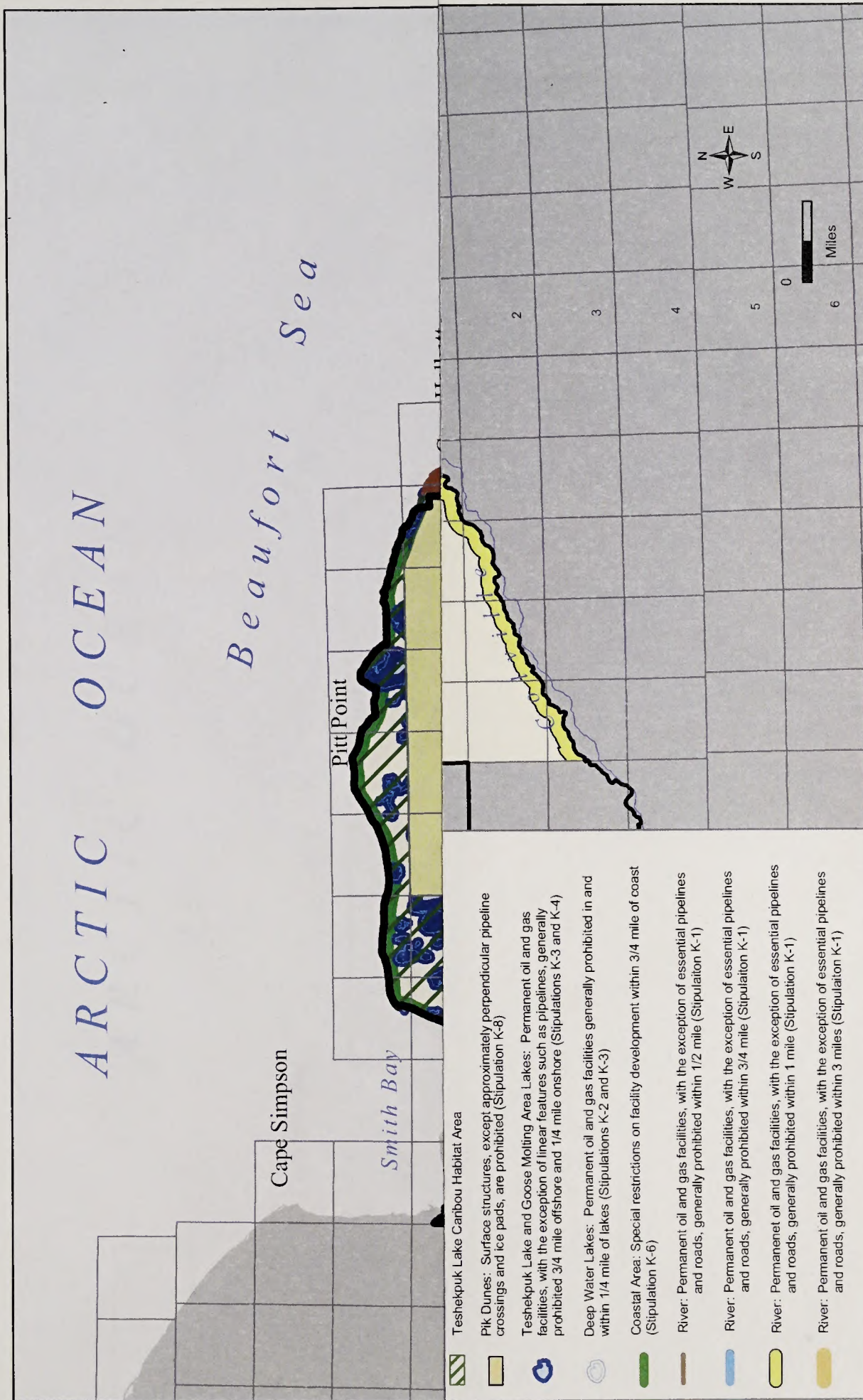
Source: USDOI-BLM 2007

Map 2-1. Northeast National Petroleum Reserve-Alaska Alternative A (No Action Alternative)



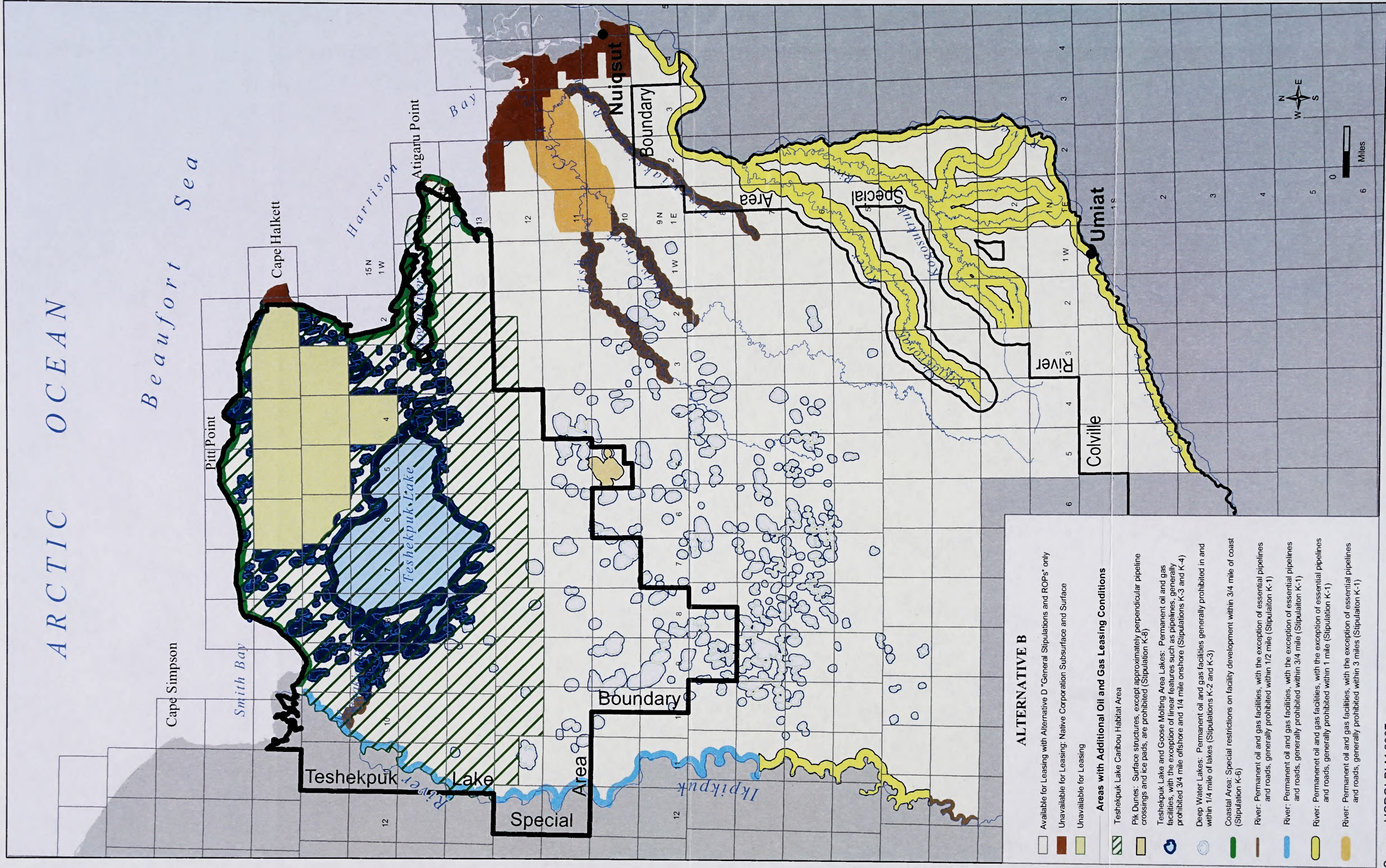
Source: USDOI-BLM 2007

Map 2-1. Northeast National Petroleum Reserve-Alaska Alternative A (No Action Alternative)



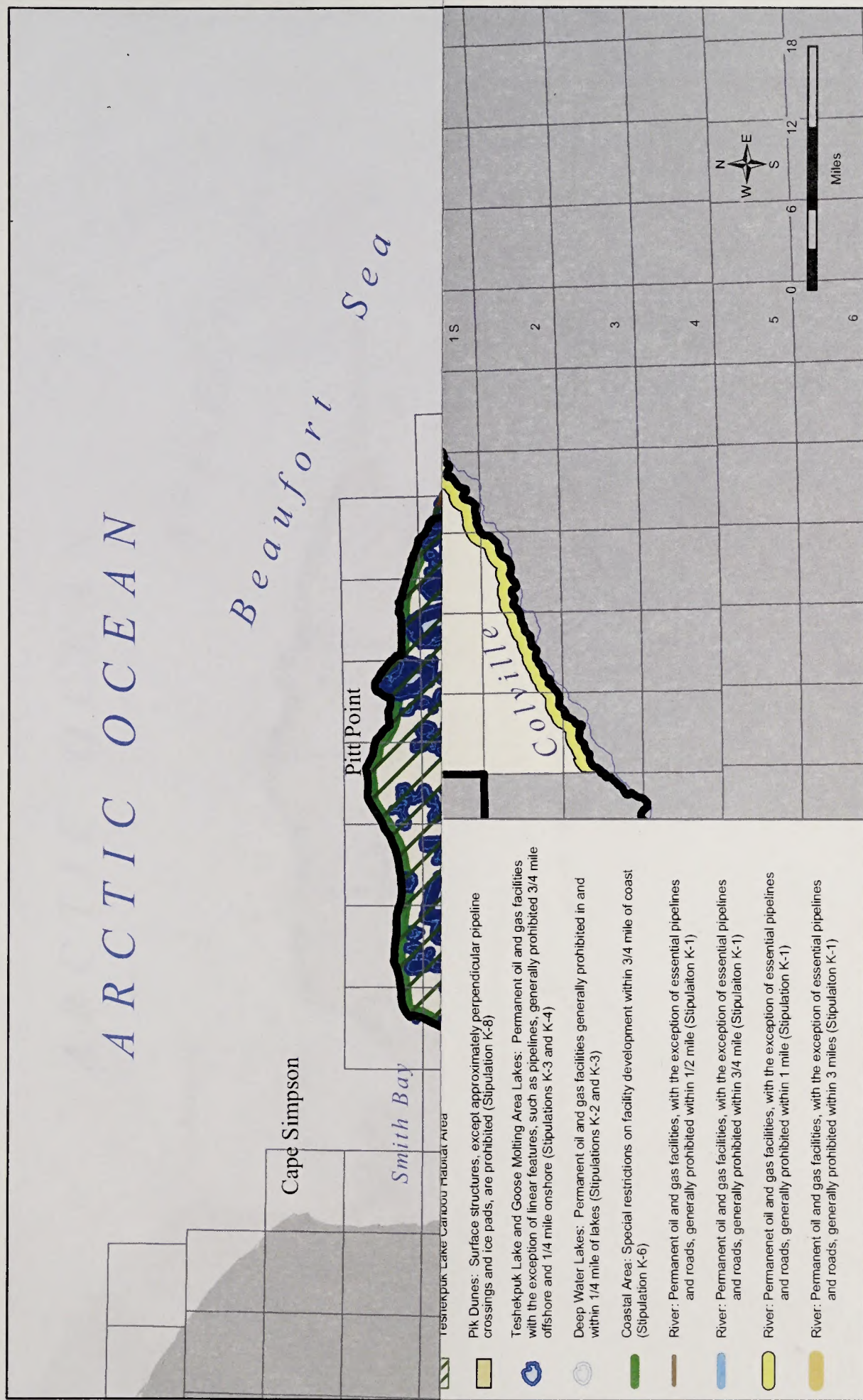
Source: USDOI-BLM 2007

Map 2-2. Northeast National Petroleum Reserve-Alaska Alternative B



Source: USDOI-BLM 2007

Map 2-2. Northeast National Petroleum Reserve-Alaska Alternative B



Source: USDOI-BLM 2007

Map 2-3. Northeast National Petroleum Reserve-Alaska Alternative C

ARCTIC OCEAN

Beaufort Sea

Cape Simpson

Smith Bay

Pitt Point

Cape Halkett

Harrison Bay

Atigaru Point

Teshekpuk River

Lake

Special

Area

Boundary

Ikpikpuk River

Boundary

Nuiqsut

Area

Special

River

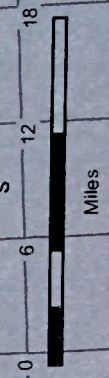
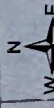
Colville

Umiat

Colville

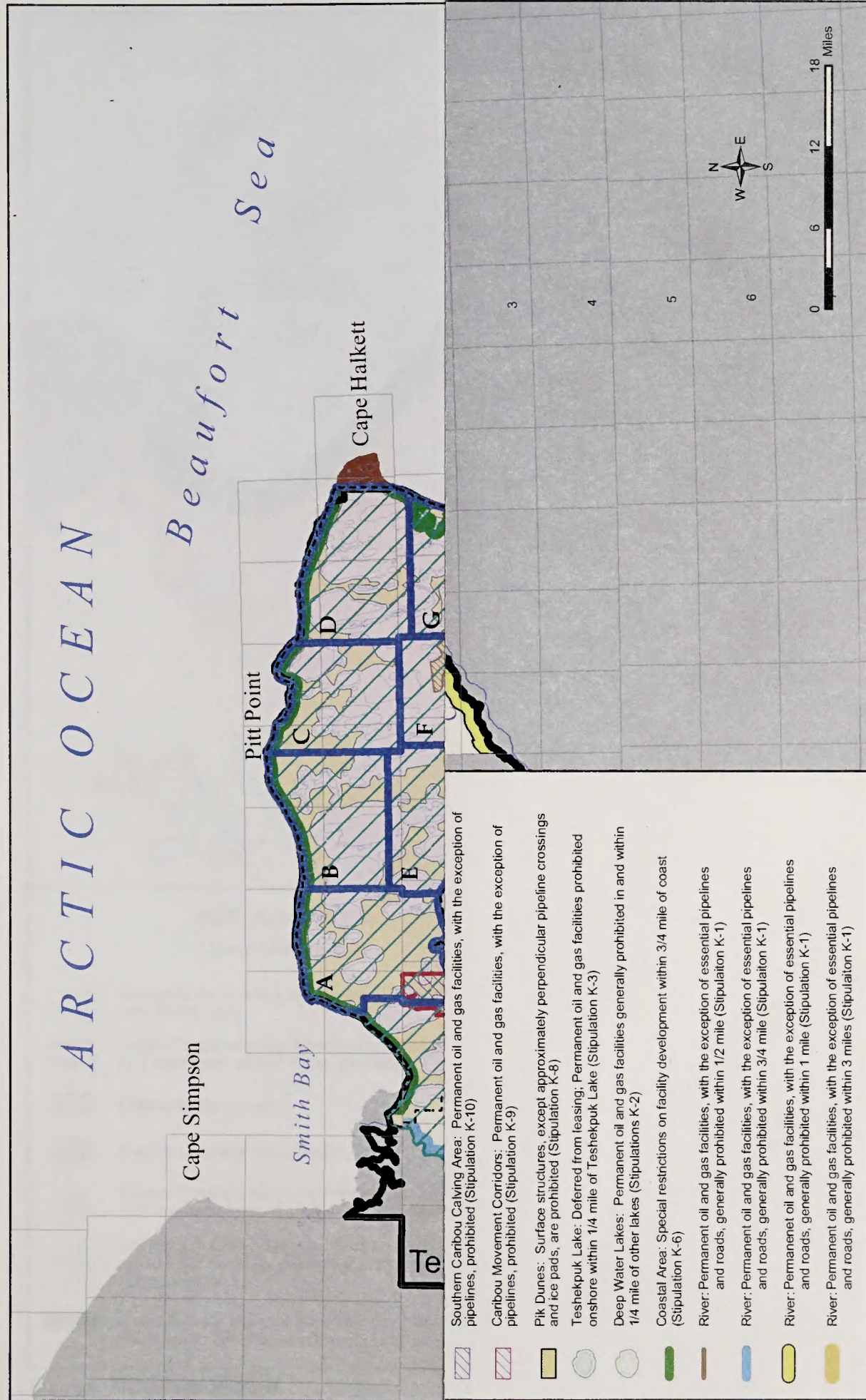
ALTERNATIVE C

- Available for Leasing with Alternative D "General Stipulations and ROPs" only
- Unavailable for Leasing: Native Corporation Subsurface and Surface
- Areas with Additional Oil and Gas Leasing Conditions
- Teshekpuk Lake Caribou Habitat Area
- Pit Dunes: Surface structures, except approximately perpendicular pipeline crossings and ice pads, are prohibited (Stipulation K-8)
- Teshekpuk Lake and Goose Molling Area Lakes: Permanent oil and gas facilities with the exception of linear features, such as pipelines, generally prohibited 3/4 mile offshore and 1/4 mile onshore (Stipulations K-3 and K-4)
- Deep Water Lakes: Permanent oil and gas facilities generally prohibited in and within 1/4 mile of lakes (Stipulations K-2 and K-3)
- Coastal Area: Special restrictions on facility development within 3/4 mile of coast (Stipulation K-6)
- River: Permanent oil and gas facilities, with the exception of essential pipelines and roads, generally prohibited within 1/2 mile (Stipulation K-1)
- River: Permanent oil and gas facilities, with the exception of essential pipelines and roads, generally prohibited within 3/4 mile (Stipulation K-1)
- River: Permanent oil and gas facilities, with the exception of essential pipelines and roads, generally prohibited within 1 mile (Stipulation K-1)
- River: Permanent oil and gas facilities, with the exception of essential pipelines and roads, generally prohibited within 3 miles (Stipulation K-1)



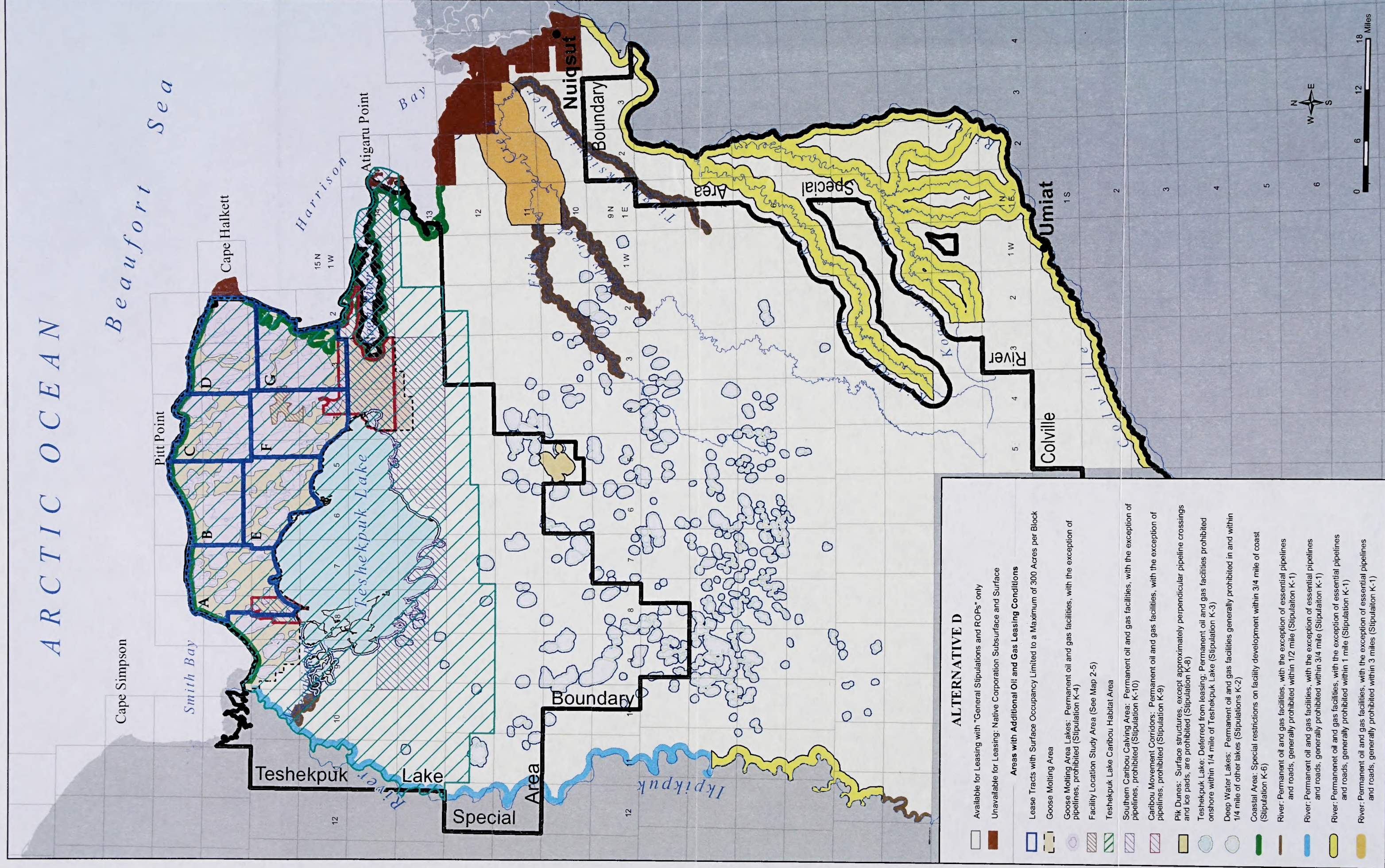
Source: USDOI-BLM 2007

Map 2-3. Northeast National Petroleum Reserve-Alaska Alternative C



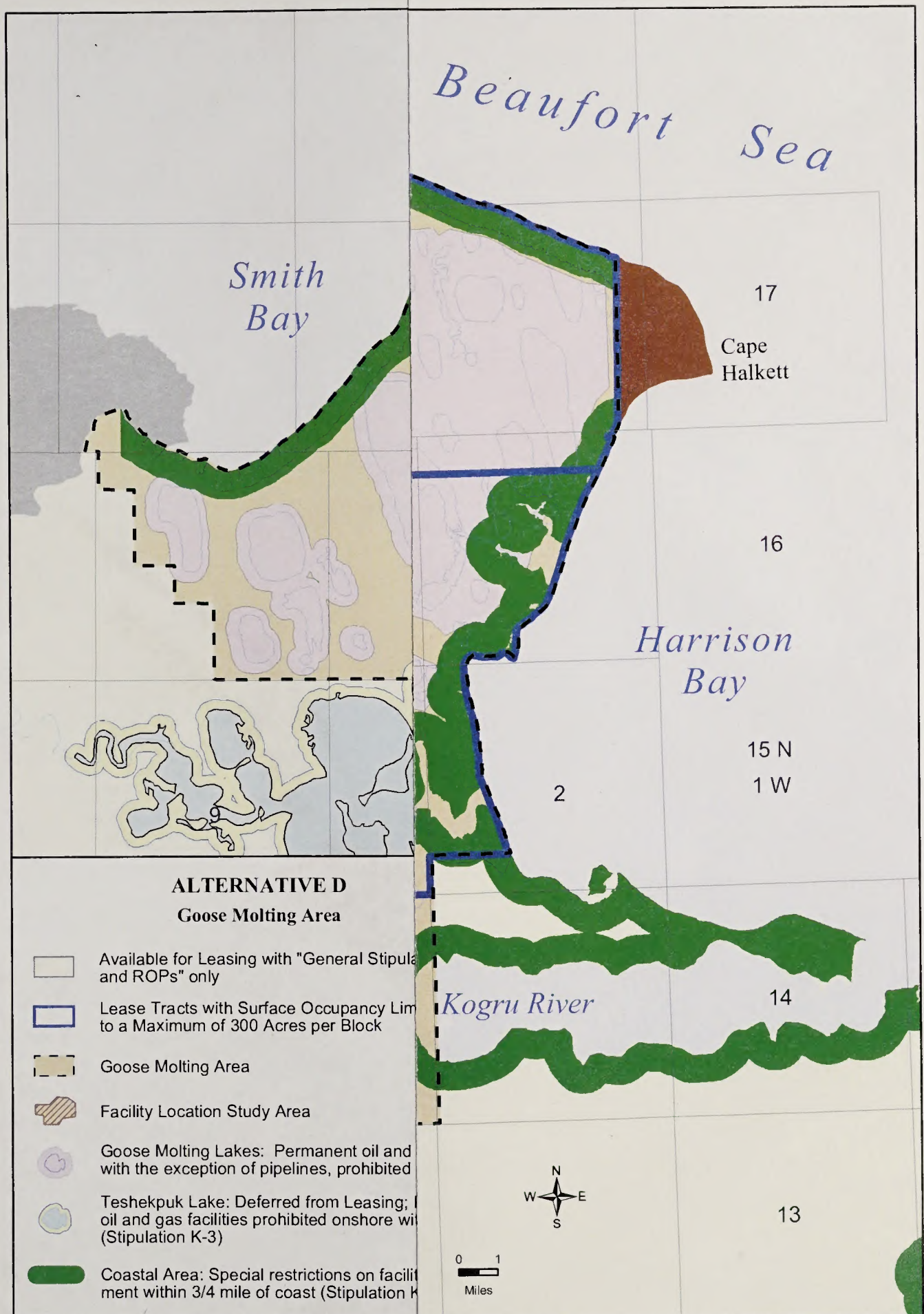
Source: USDOI-BLM, 2007

Map 2-4. Northeast National Petroleum Reserve-Alaska Alternative D



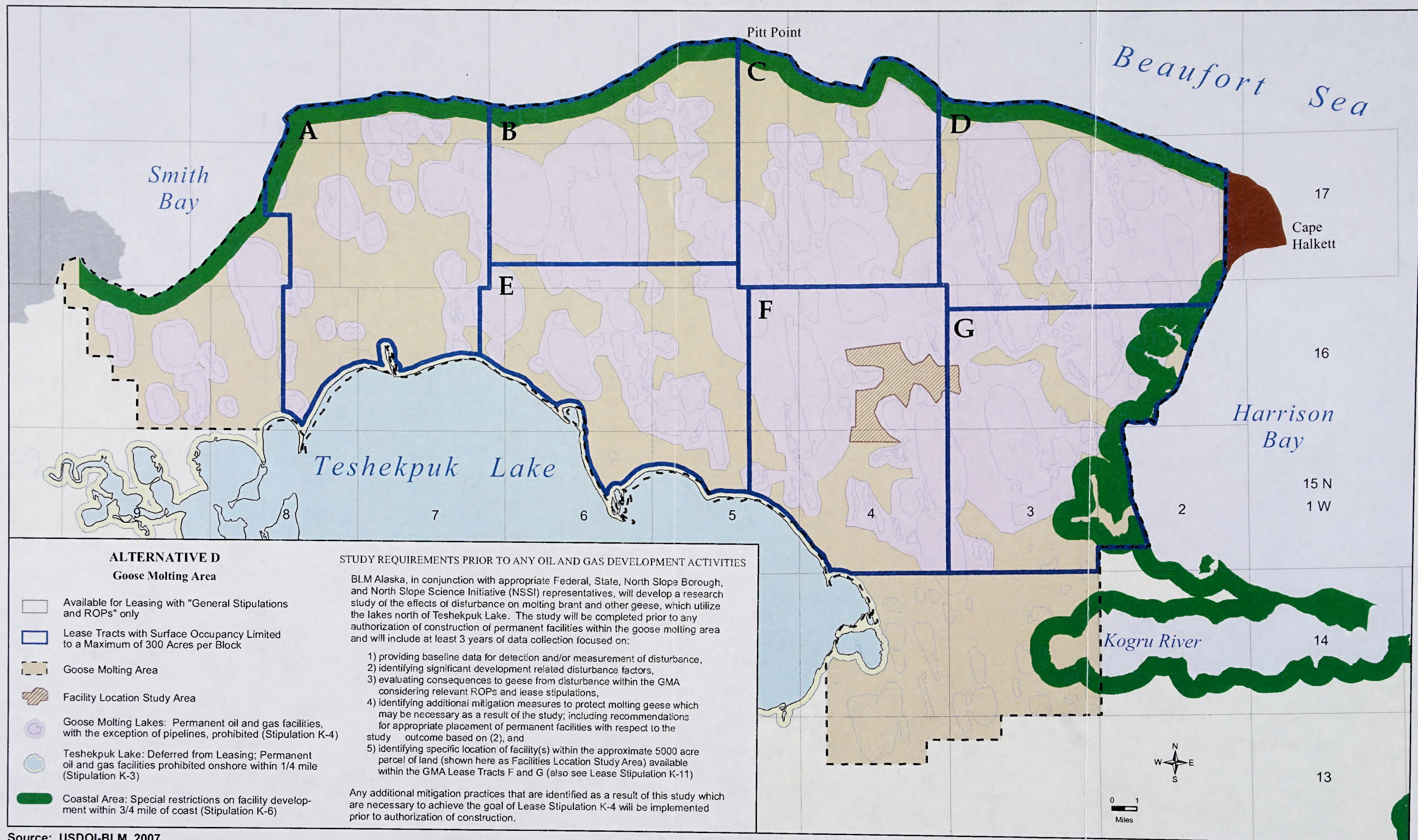
Source: USDOI-BLM, 2007

Map 2-4. Northeast National Petroleum Reserve-Alaska Alternative D

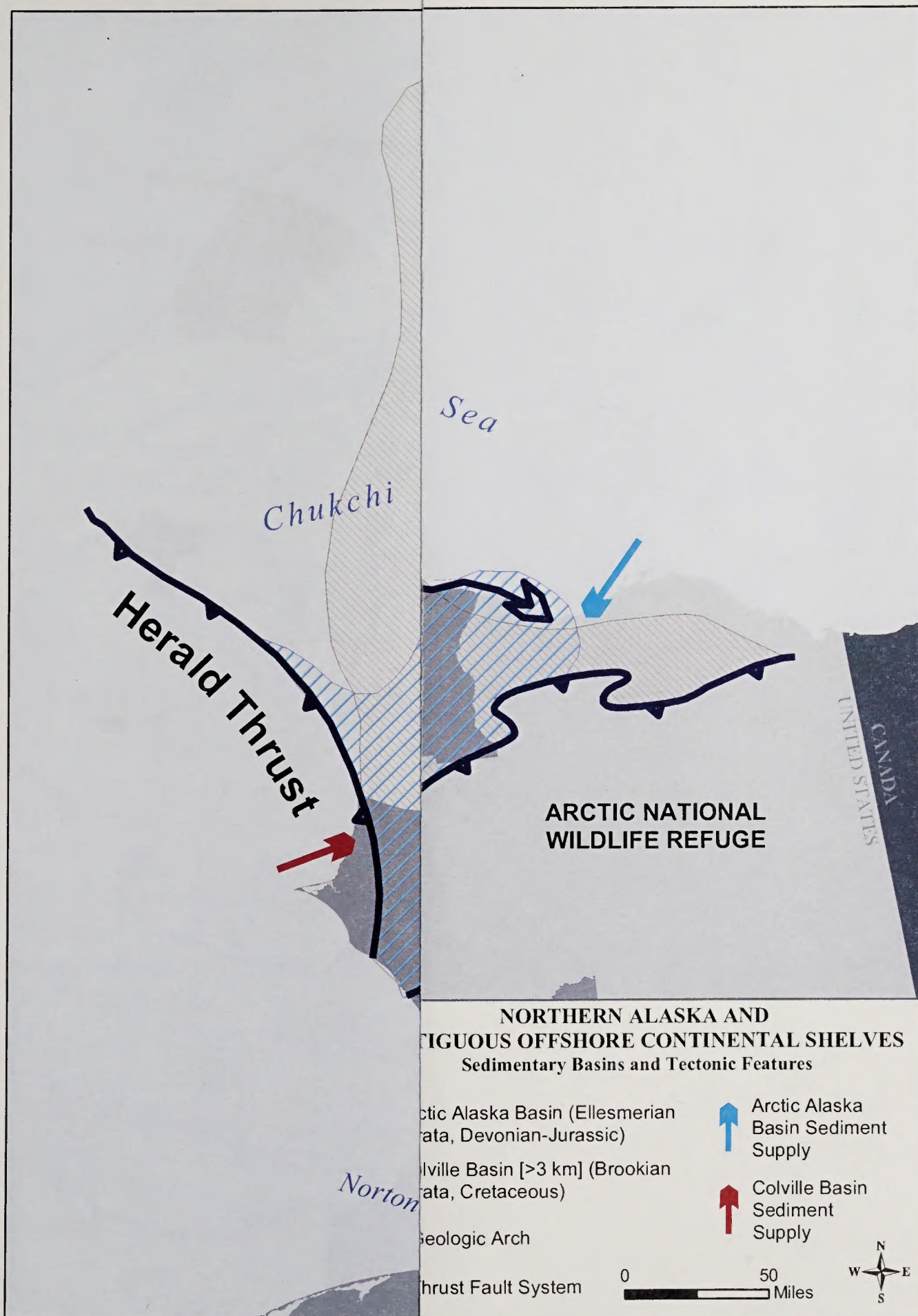


Source: USDOI-BLM, 2007

Map 2-5. Northeast National Petroleum Reserve

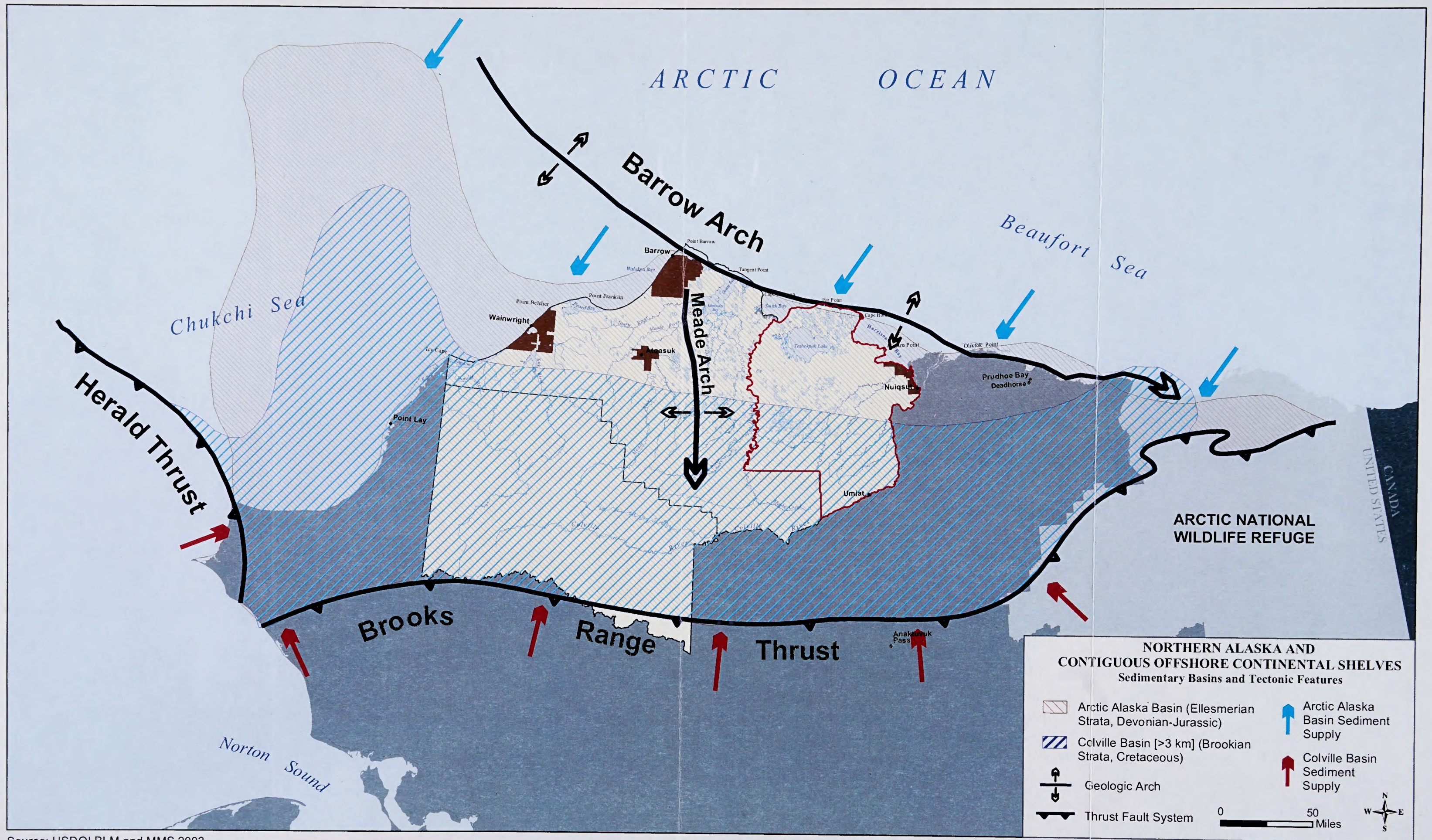


Map 2-5. Northeast National Petroleum Reserve-Alaska Alternative D: Goose Molting Area



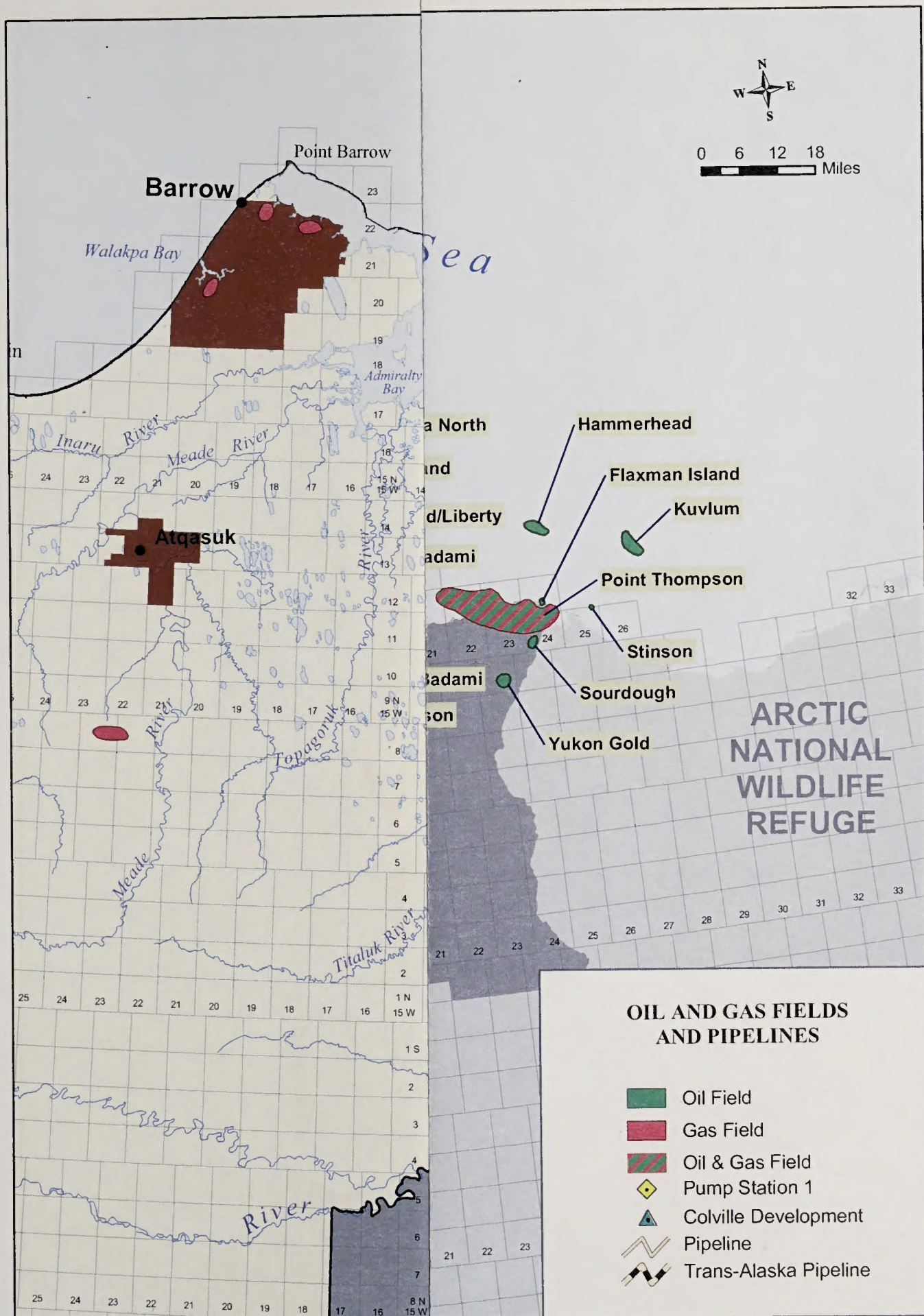
Source: USDOI BLM and MMS 2003

Map 3-1. Major Sedimentary Basins



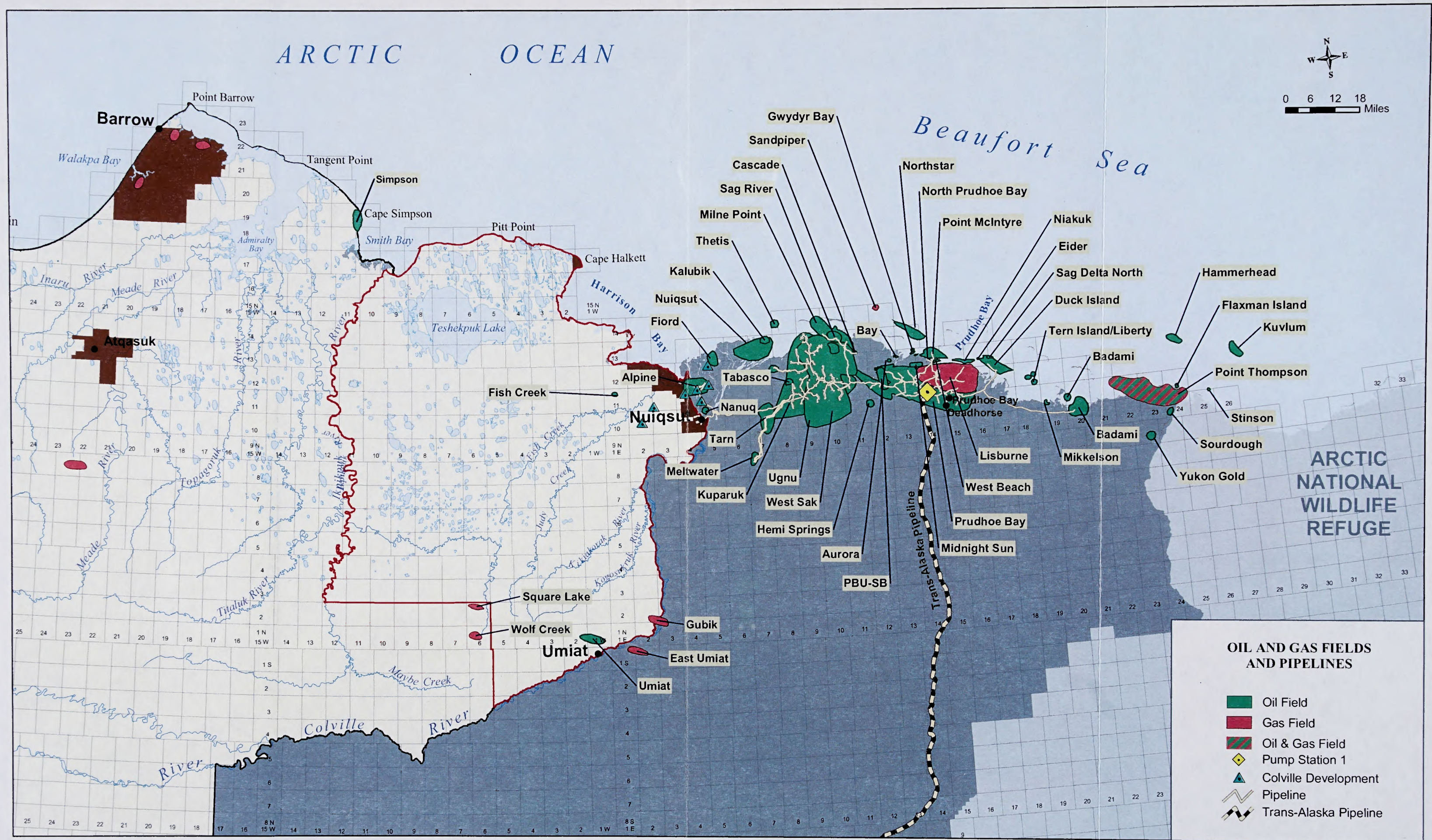
Source: USDOI BLM and MMS 2003

Map 3-1. Major Sedimentary Basins and Tectonic Features in the Northern Alaska and Contiguous Offshore Continental Shelves



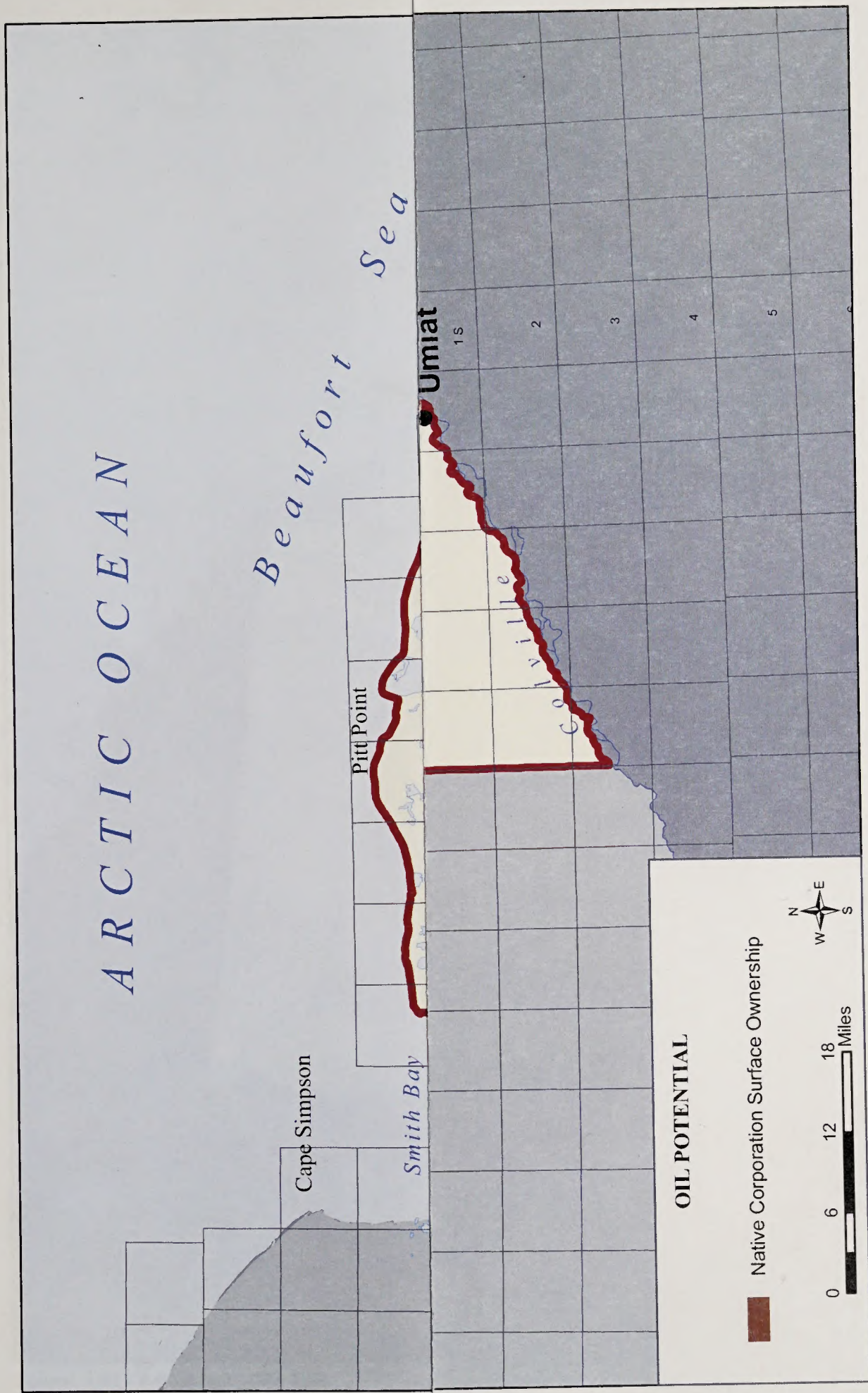
Source: USDOI BLM and MMS 2006

Map 3-2. North Slope and the Nati



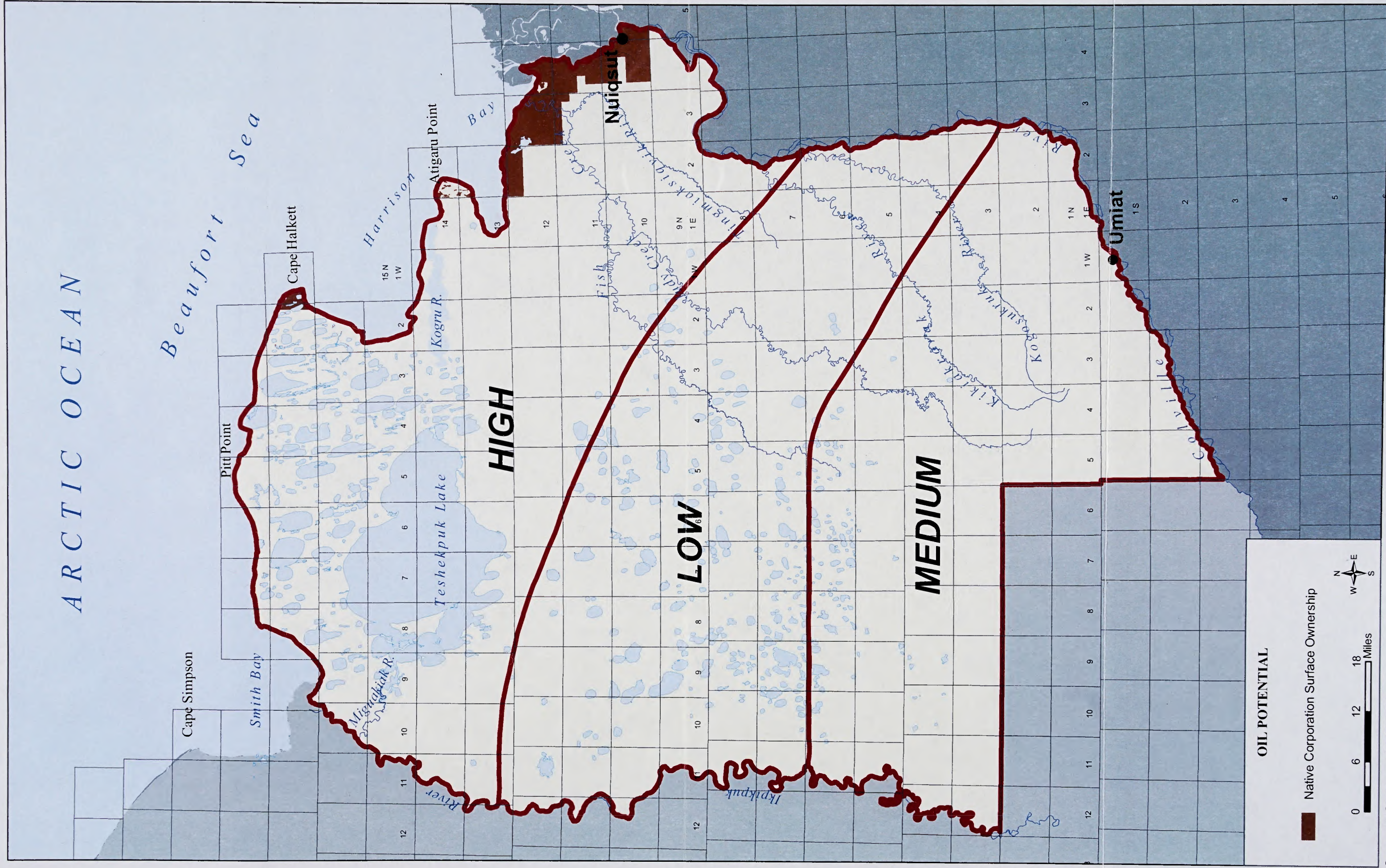
Source: USDOI BLM and MMS 2006

Map 3-2. North Slope and the National Petroleum Reserve - Alaska Oil and Gas Fields and Pipelines and Active Leases

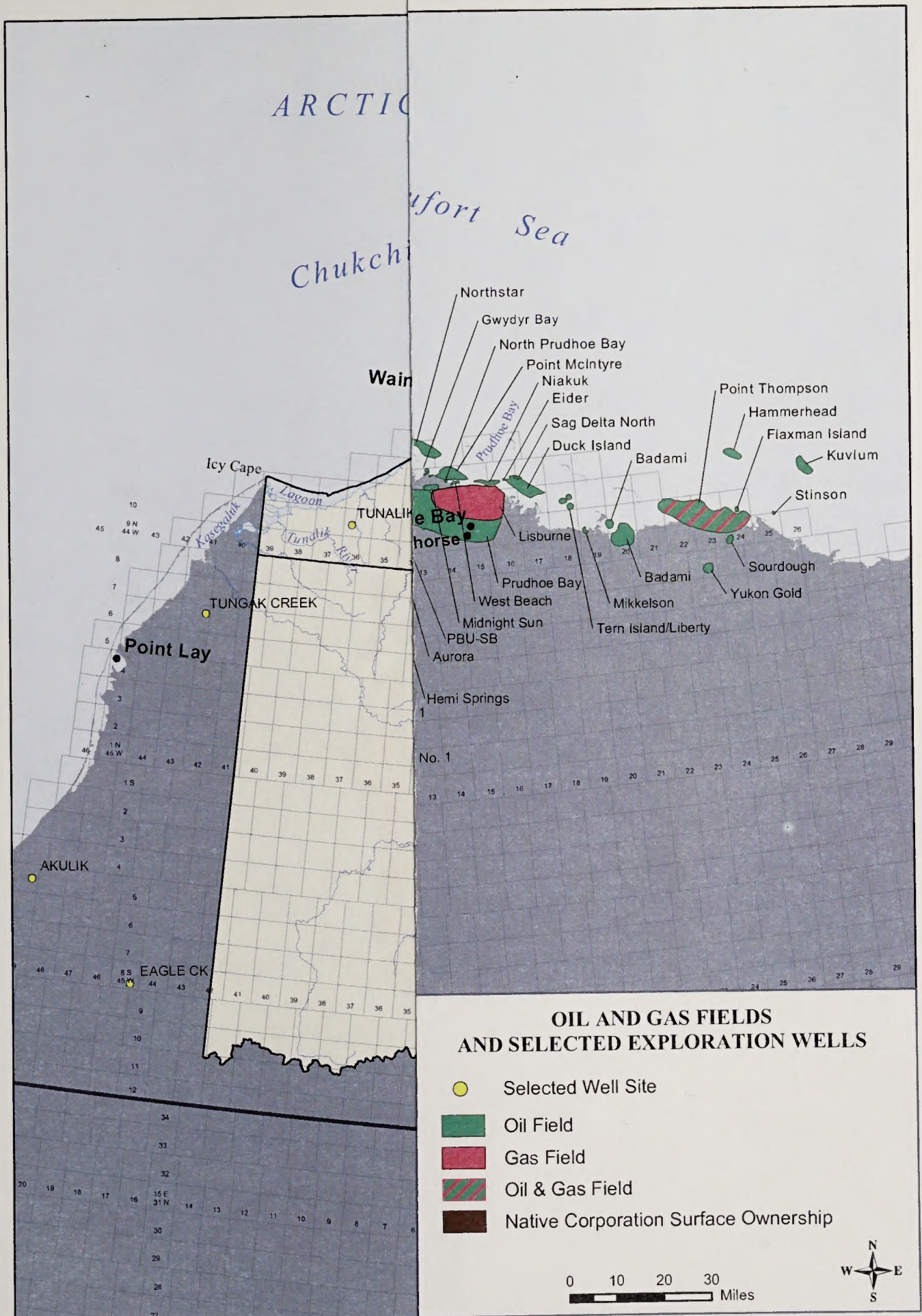


Source: USDOl and MMS 2003

Map 3-3. Oil Potential of the Northeast National Petroleum Reserve-Alaska

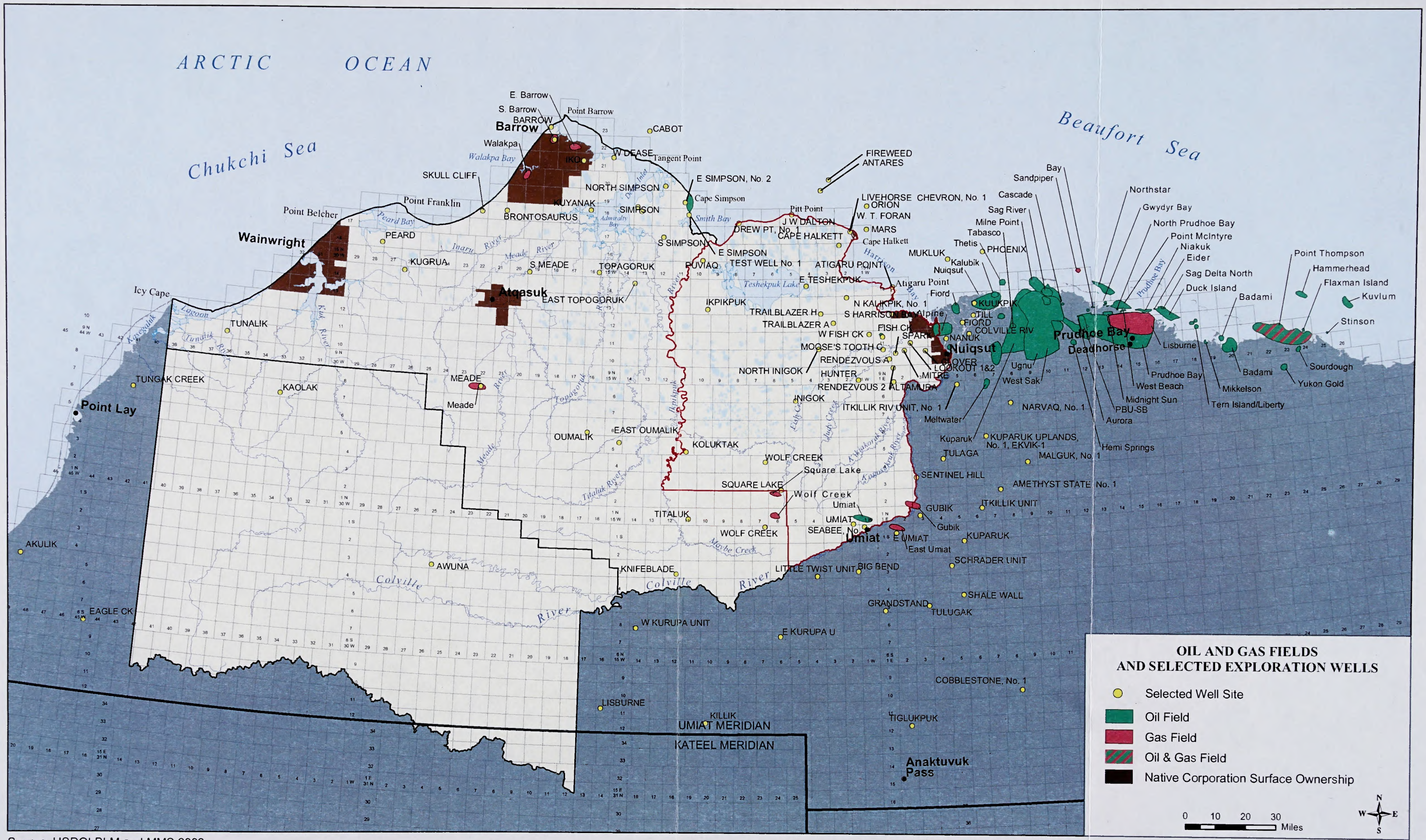


Map 3-3. Oil Potential of the Northeast National Petroleum Reserve-Alaska



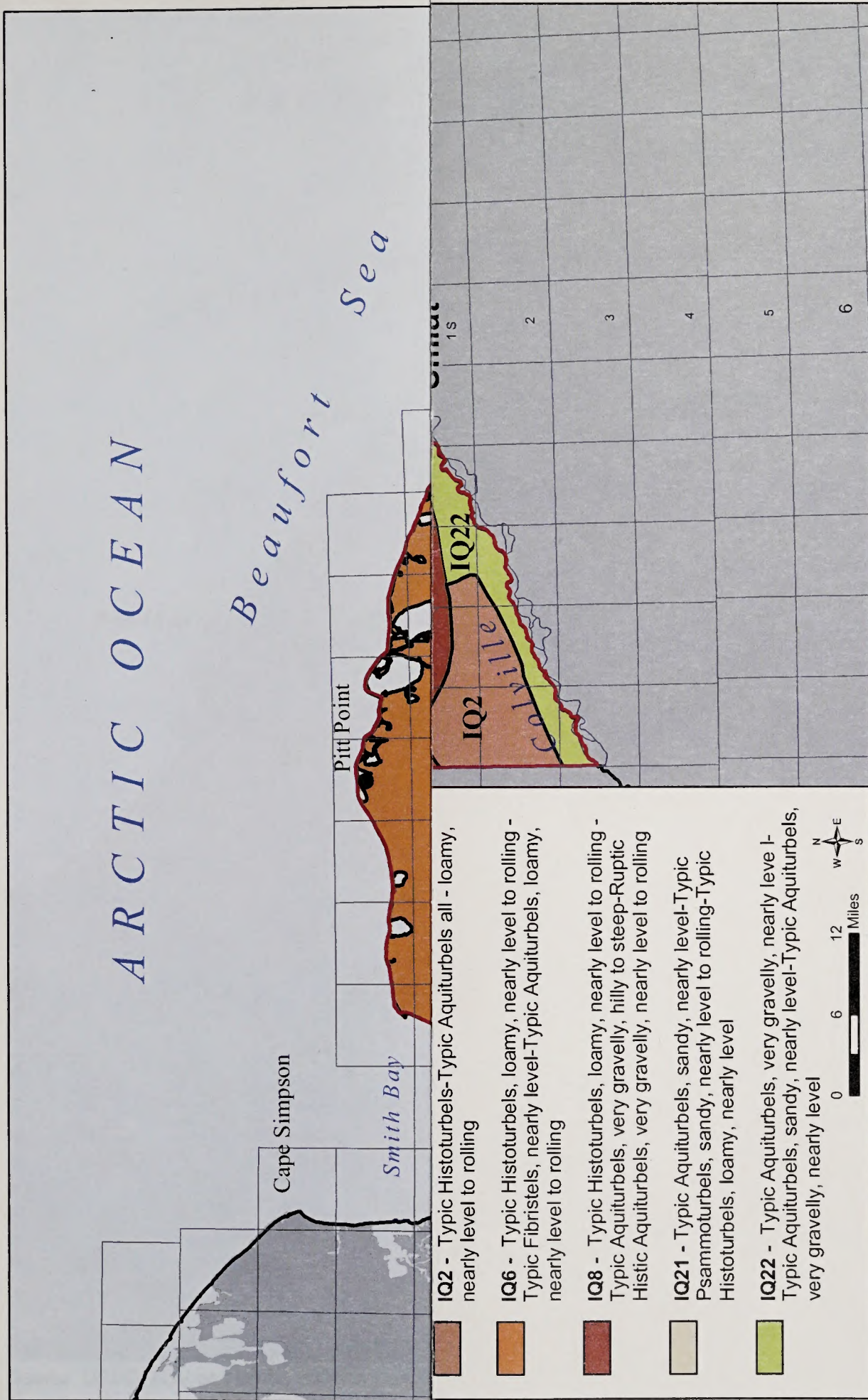
Source: USDOI BLM and MMS 2002

Map 3-4. Oil and Gas Fields and Shoe Bay



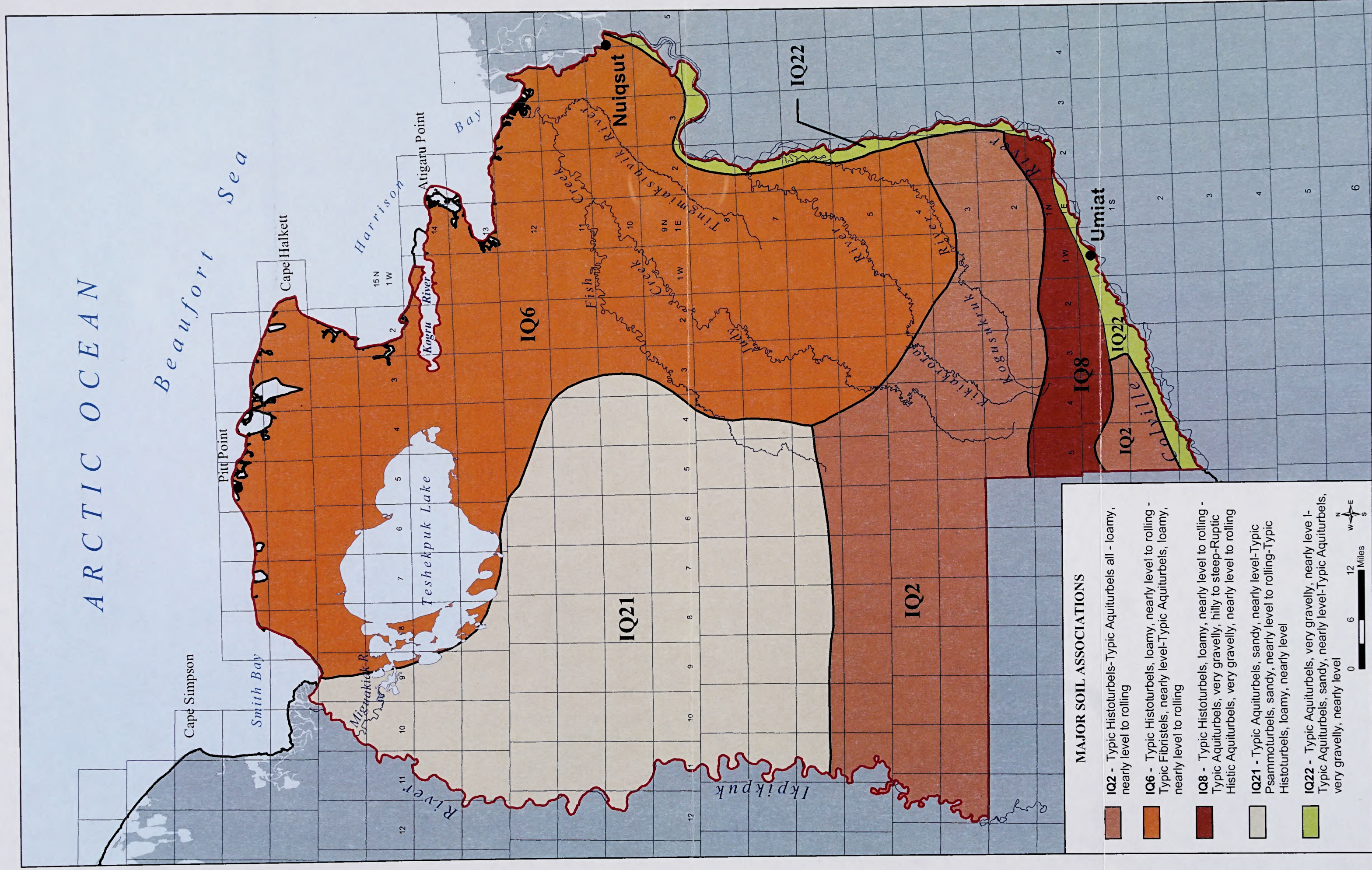
Source: USDOI BLM and MMS 2002

Map 3-4. Oil and Gas Fields and Selected Exploration Wells and Recent Exploratory Wells in the National Petroleum Reserve-Alaska and Prudhoe Bay



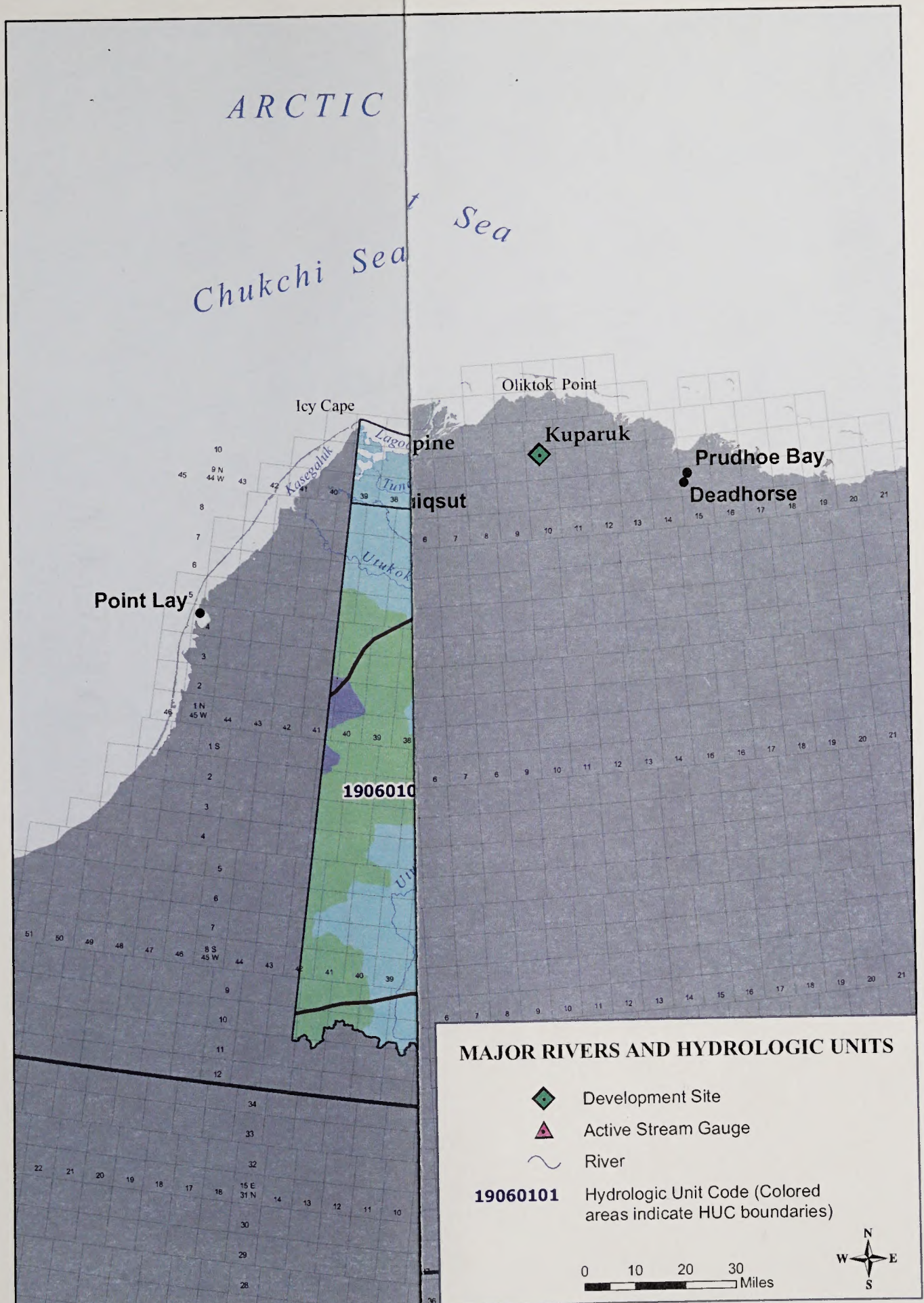
Source: Rieger, Schoephorster, and Furbush 1979

Map 3-5. Soil Types in the Northeast National Petroleum Reserve-Alaska



Source: Rieger, Schoephorster, and Furbush 1979

Map 3-5. Soil Types in the Northeast National Petroleum Reserve-Alaska

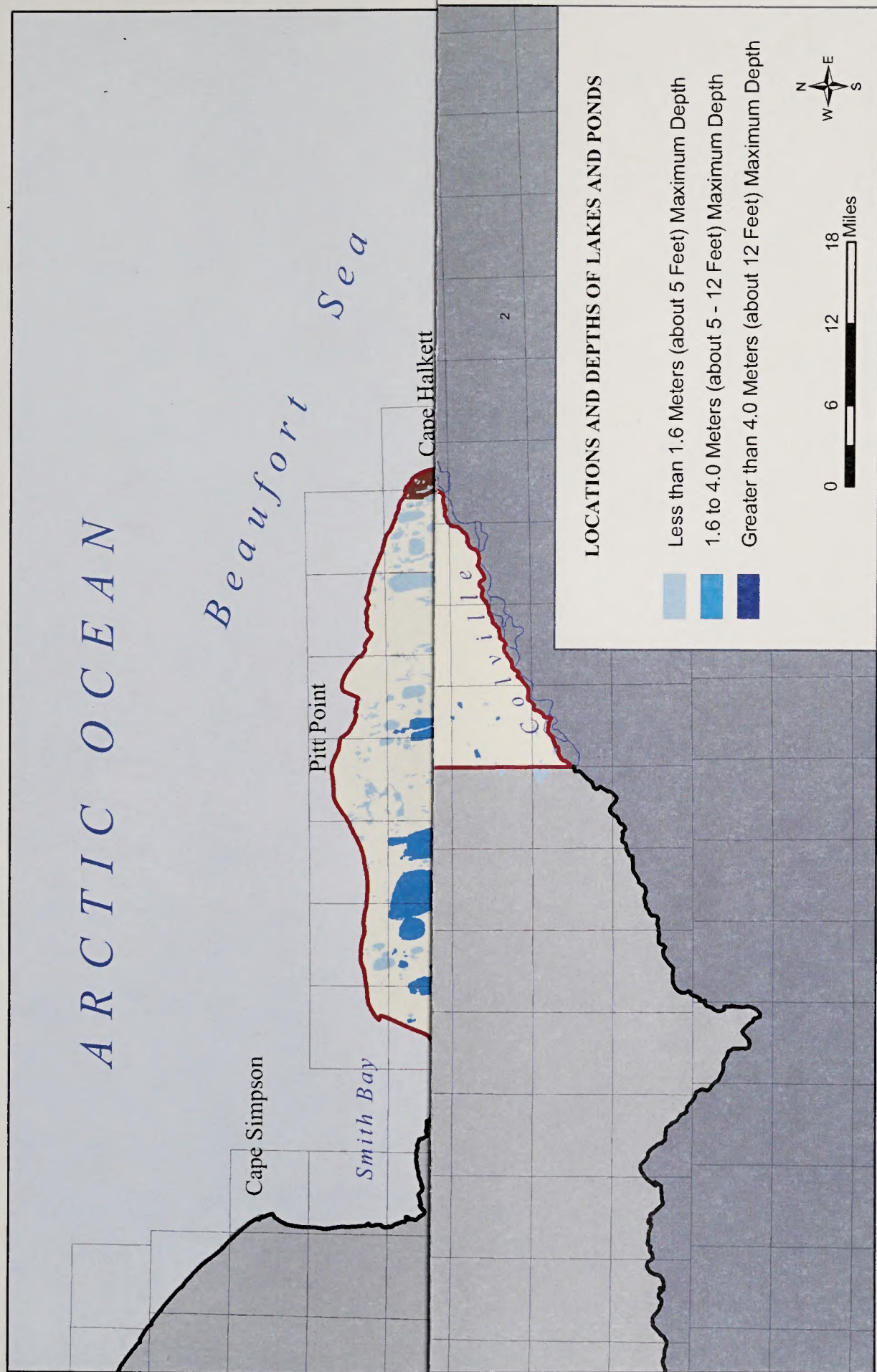


Source: USDOI BLM and USGS 2007; Wahrhaftig
Map 3-6. Major Rivers and Hydrol



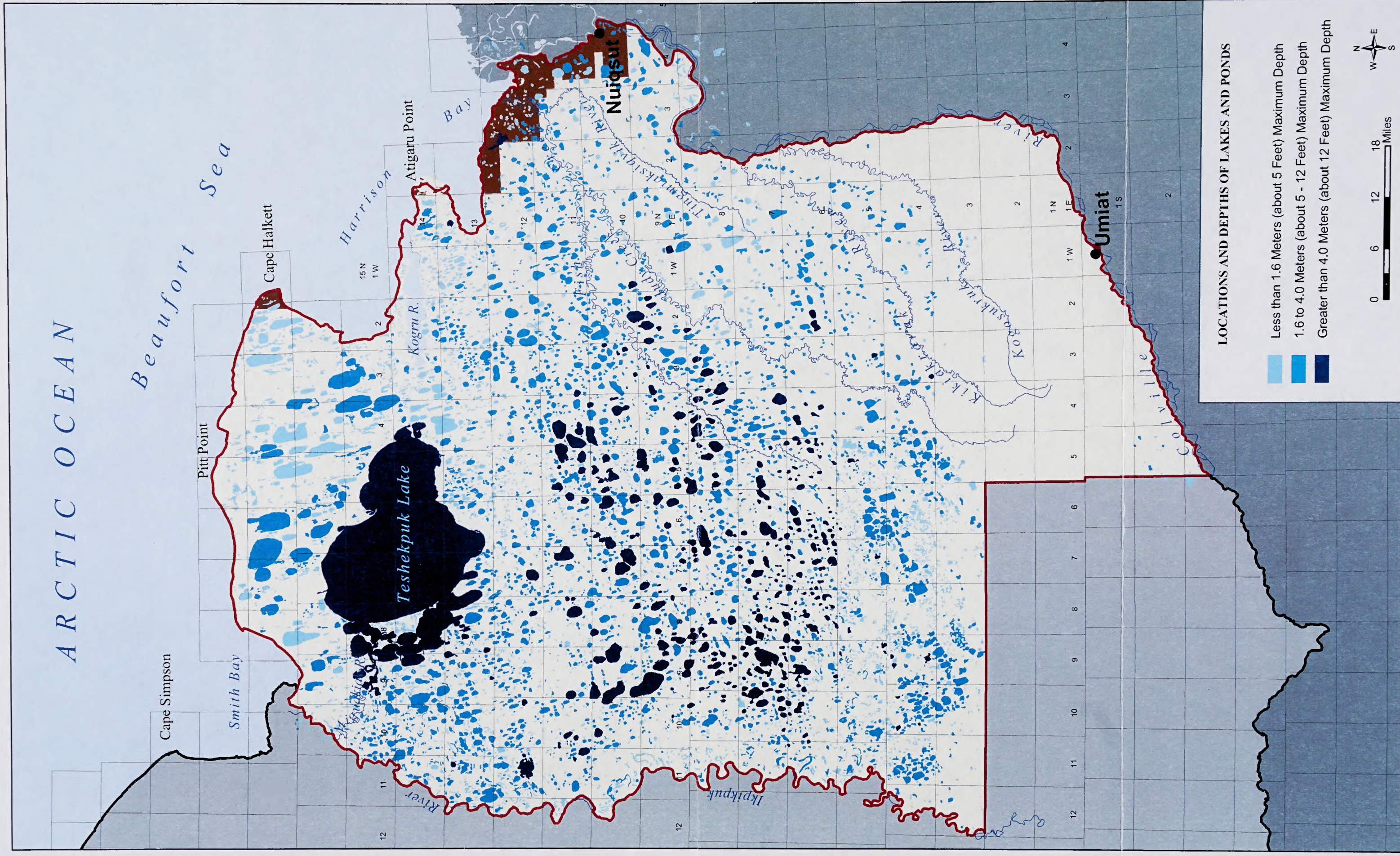
Source: USDOI BLM and USGS 2007; Wahrhaftig, 1965

Map 3-6. Major Rivers and Hydrologic Units in the National Petroleum Reserve-Alaska



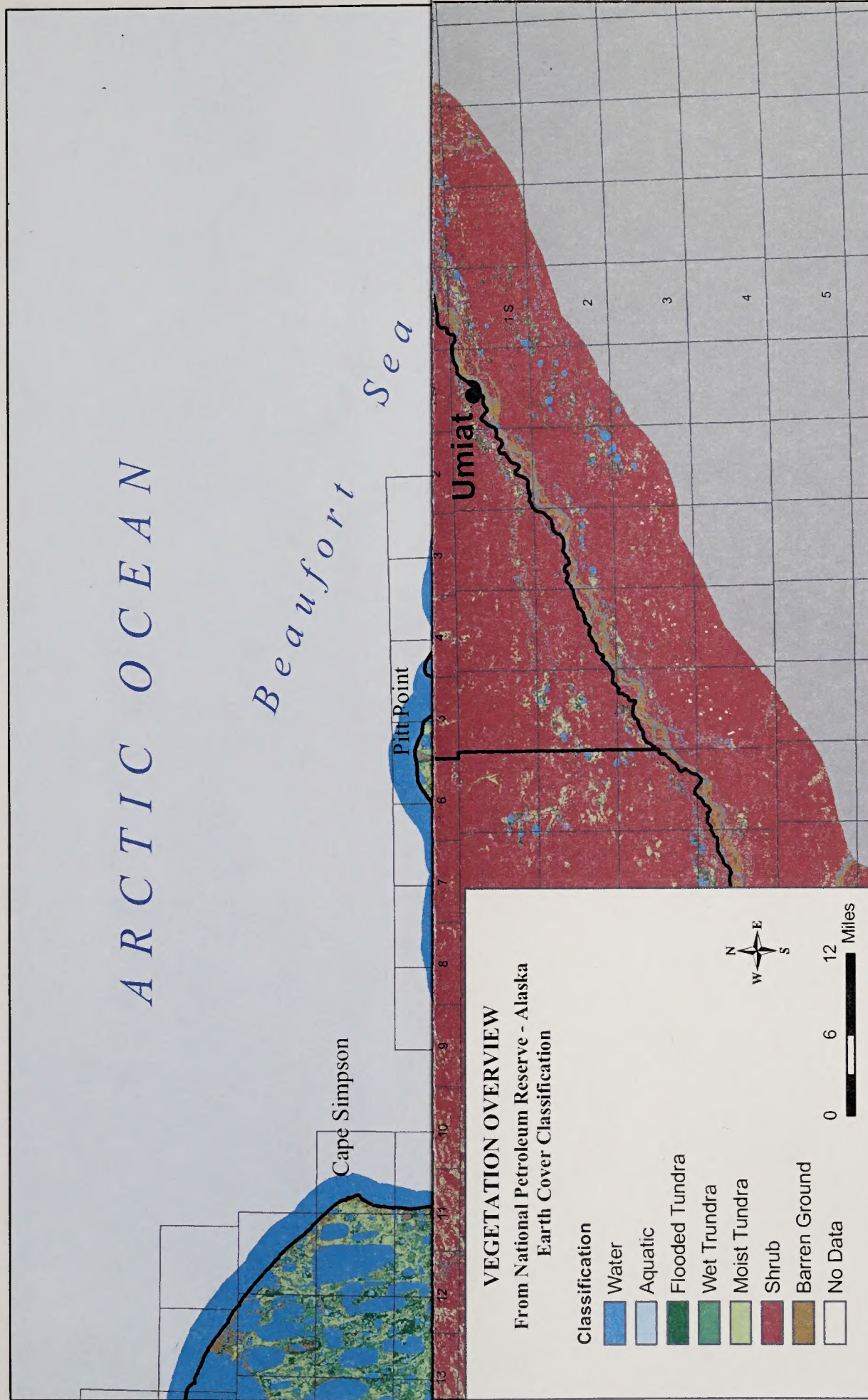
Source: USDOI and MMS 2003

Map 3-7. Locations and Depths of Lakes and Ponds in the Northeast National Petroleum Reserve-Alaska



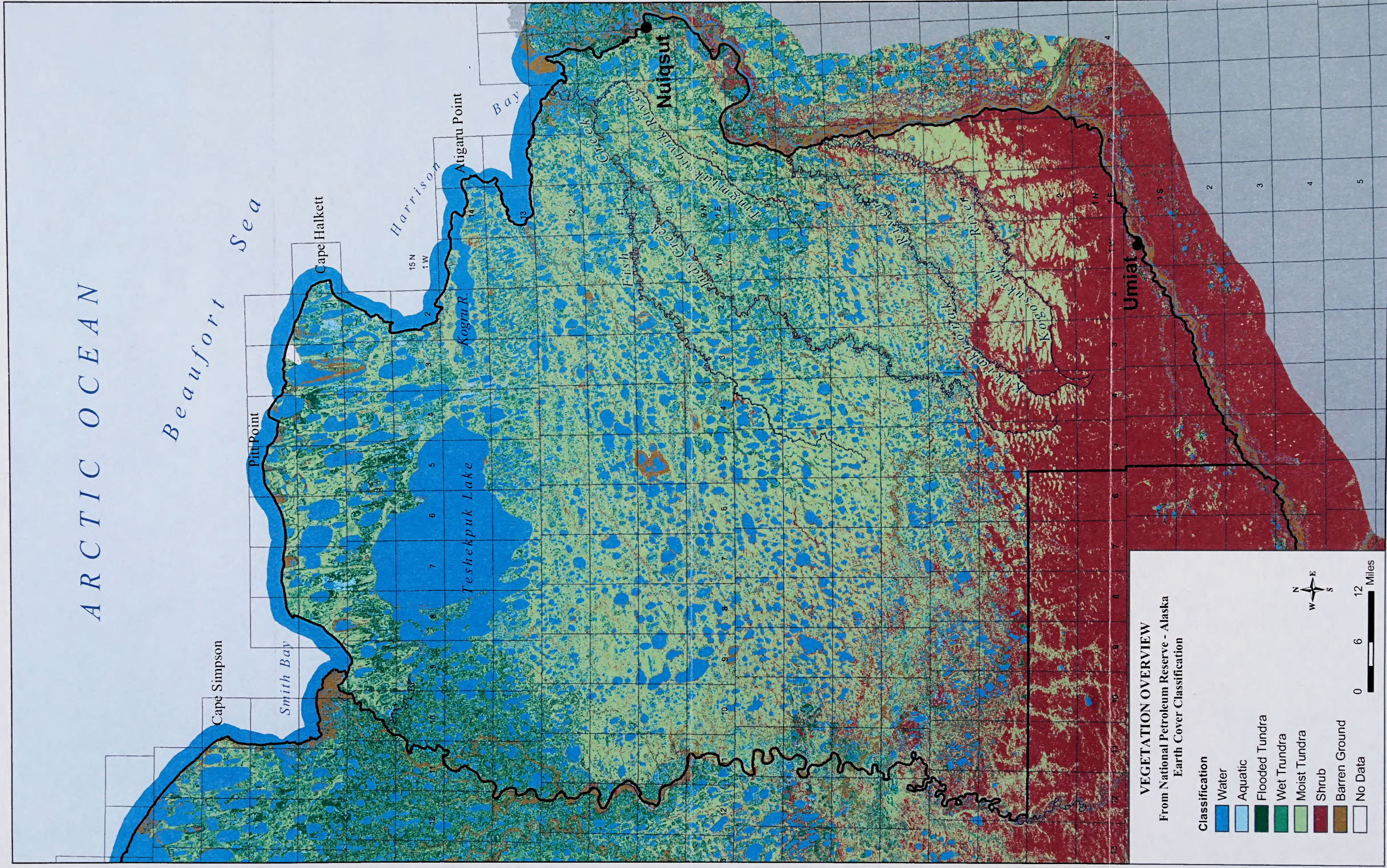
Source: USDOI and MMS 2003

Map 3-7. Locations and Depths of Lakes and Ponds in the Northeast National Petroleum Reserve-Alaska

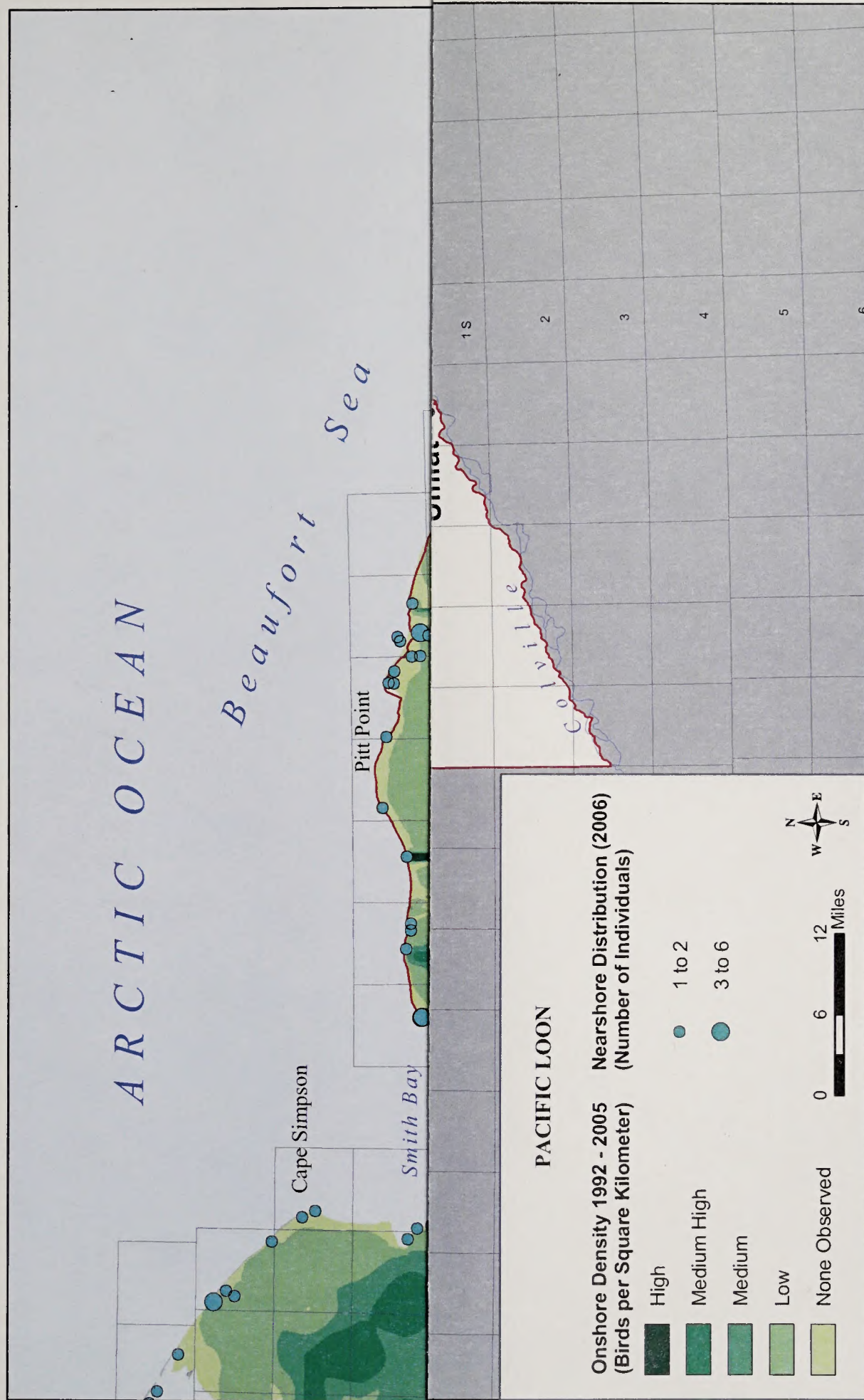


Source: USDOI BLM

Map 3-8. Earth Cover in the Northeast National Petroleum Reserve - Alaska

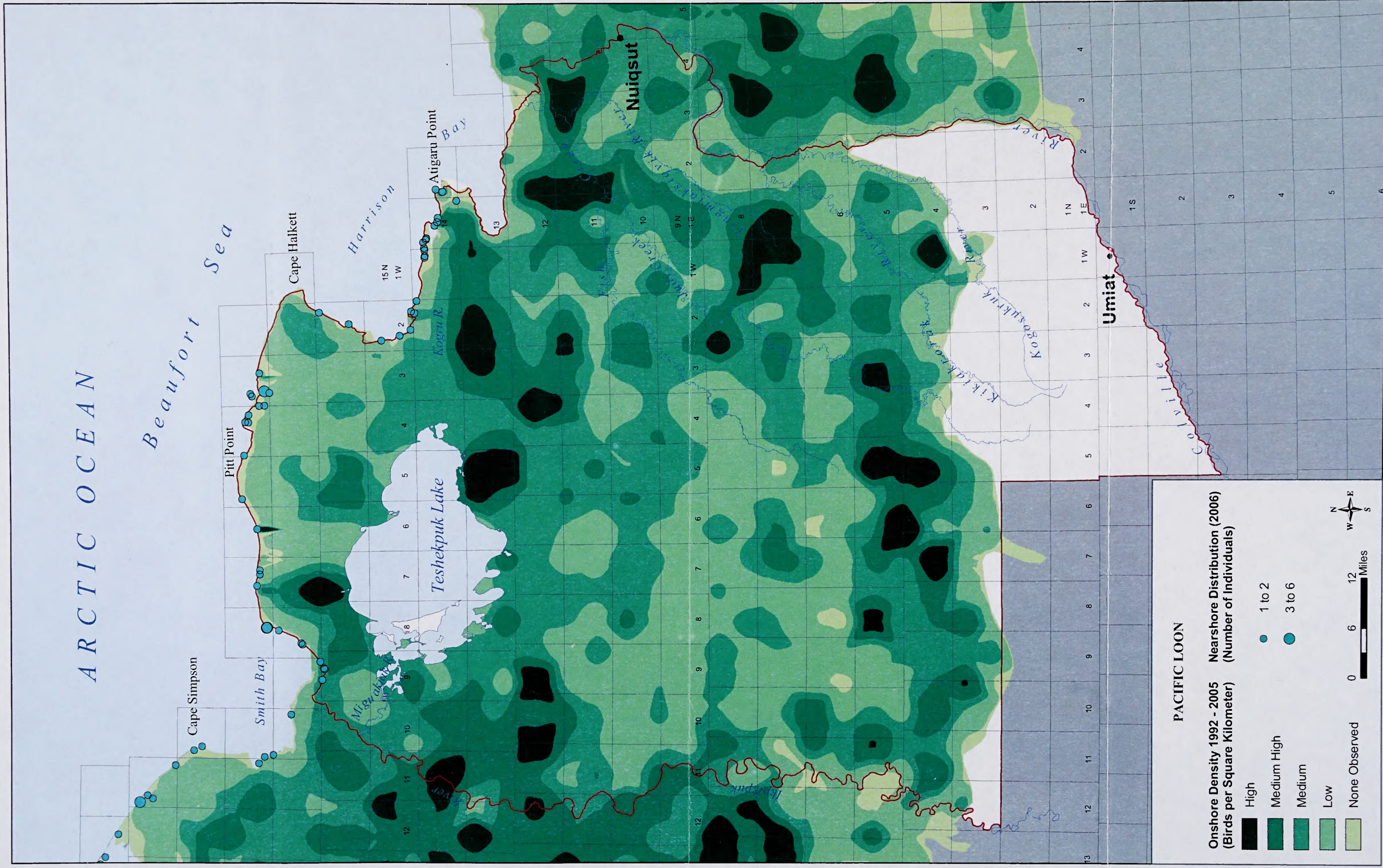


Map 3-8. Earth Cover in the Northeast National Petroleum Reserve - Alaska



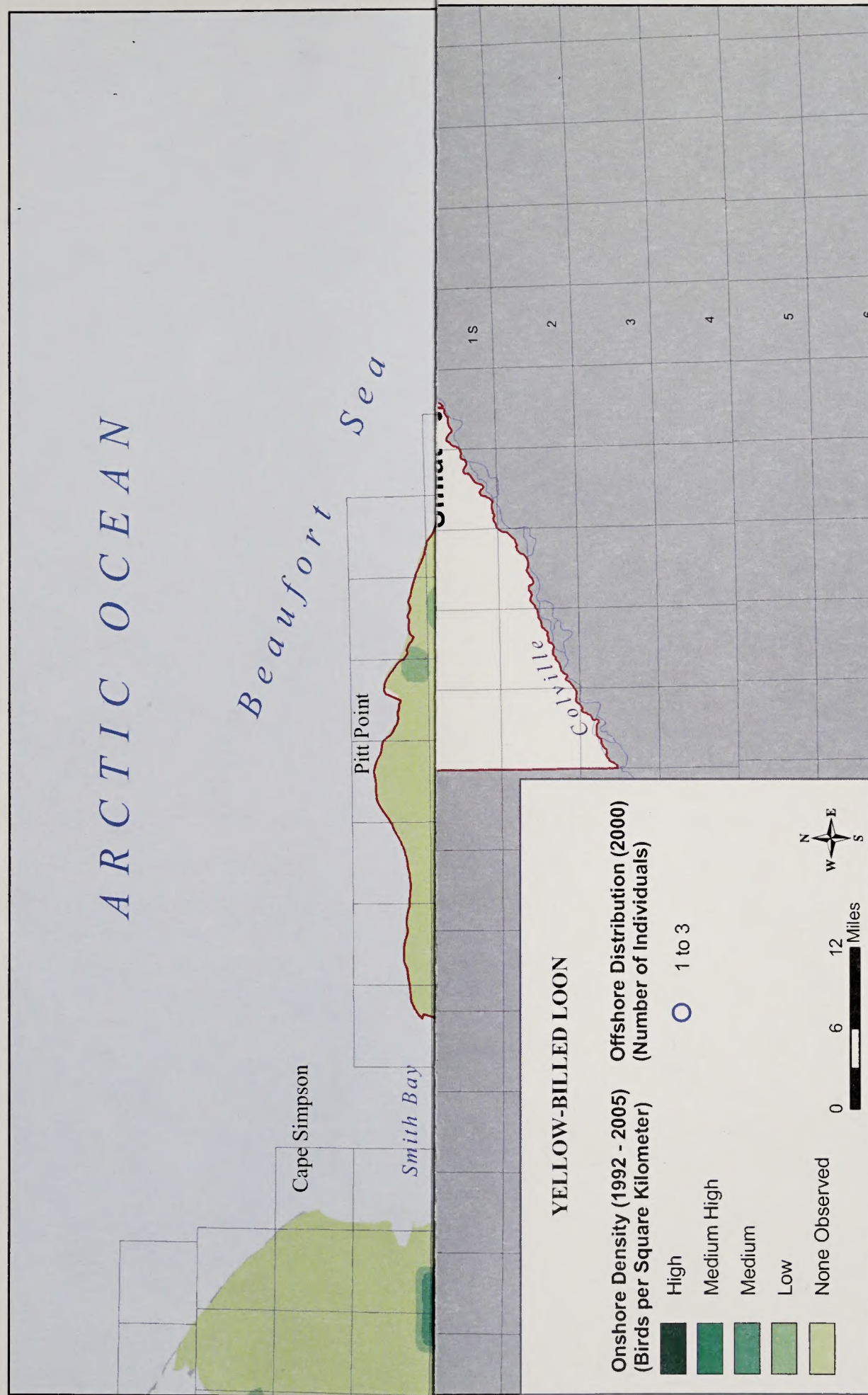
Source: Onshore Density Data and Nearshore Data: USFWS Migratory Bird Management, Anchorage, AK

Map 3-9. Onshore Density and Nearshore Beaufort Sea Distribution of Pacific Loons in the Northeast National Petroleum Reserve-Alaska



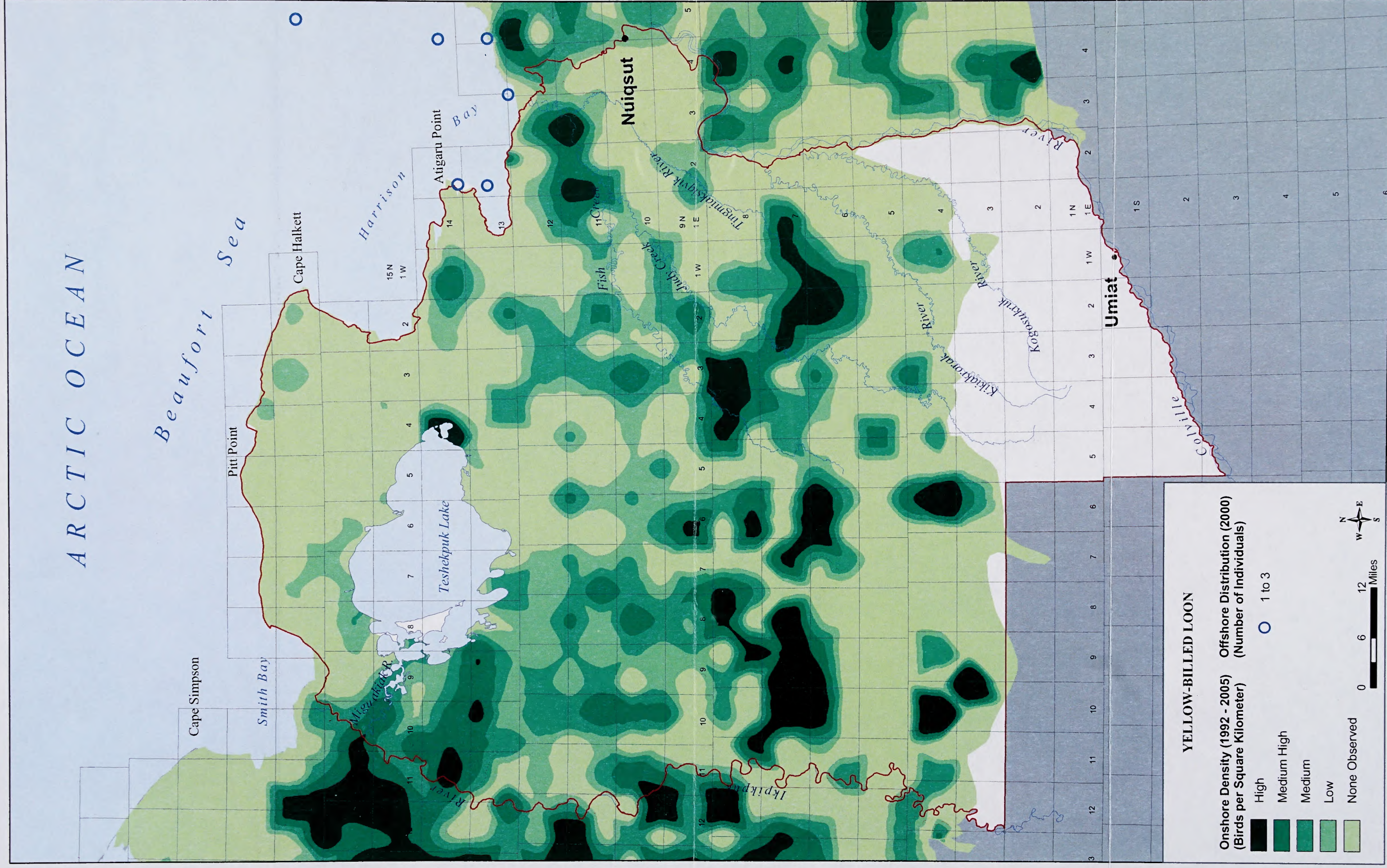
Source: Onshore Density Data and Nearshore Data: USFWS Migratory Bird Management, Anchorage, AK

Map 3-9. Onshore Density and Nearshore Beaufort Sea Distribution of Pacific Loons in the Northeast National Petroleum Reserve-Alaska



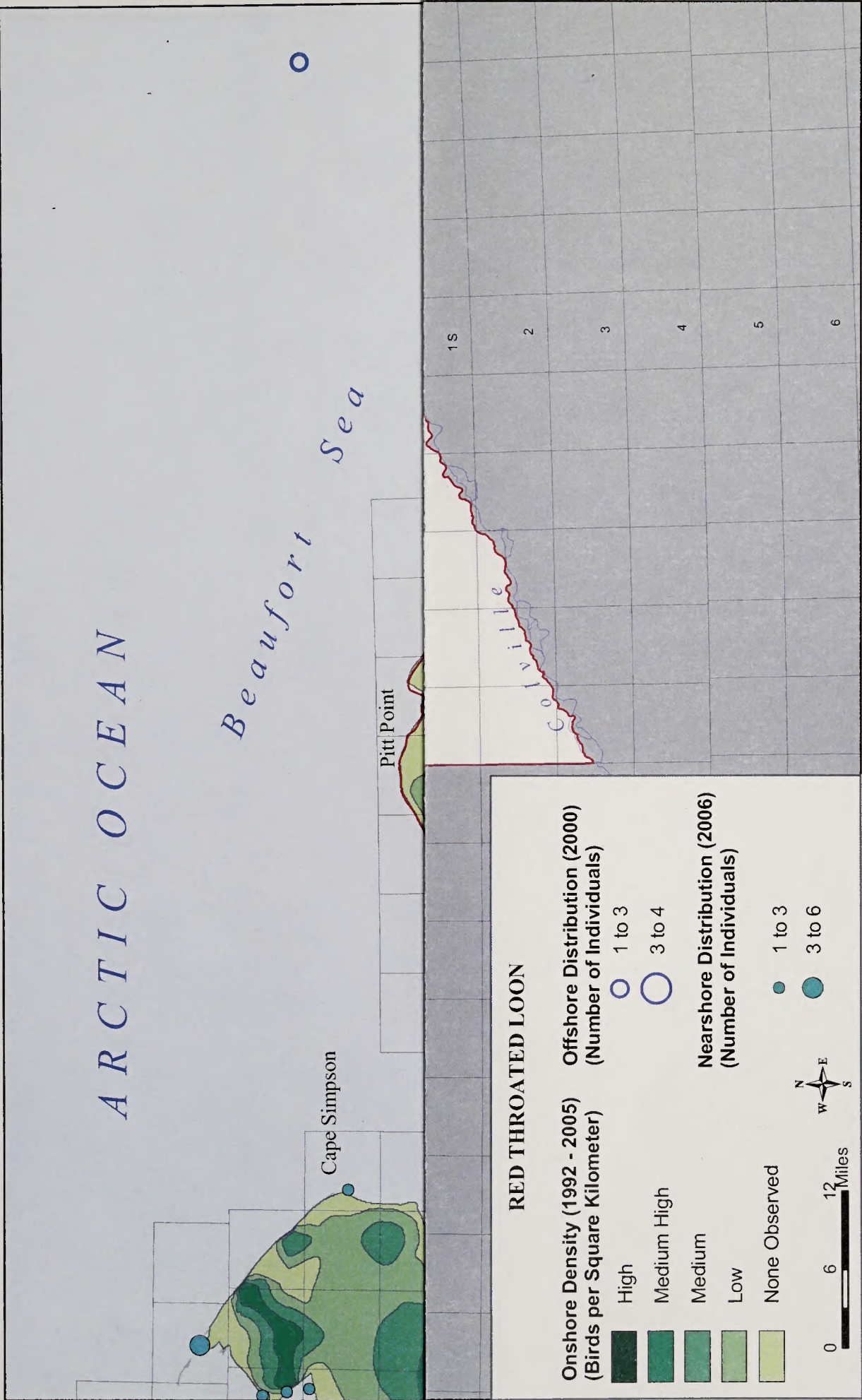
Source: Onshore Density Data and Offshore Data: USFWS Migratory Bird Management, Anchorage, AK

Map 3-10. Onshore Density and Offshore Beaufort Sea Distribution of Yellow-billed Loons in the Northeast National Petroleum Reserve-Alaska



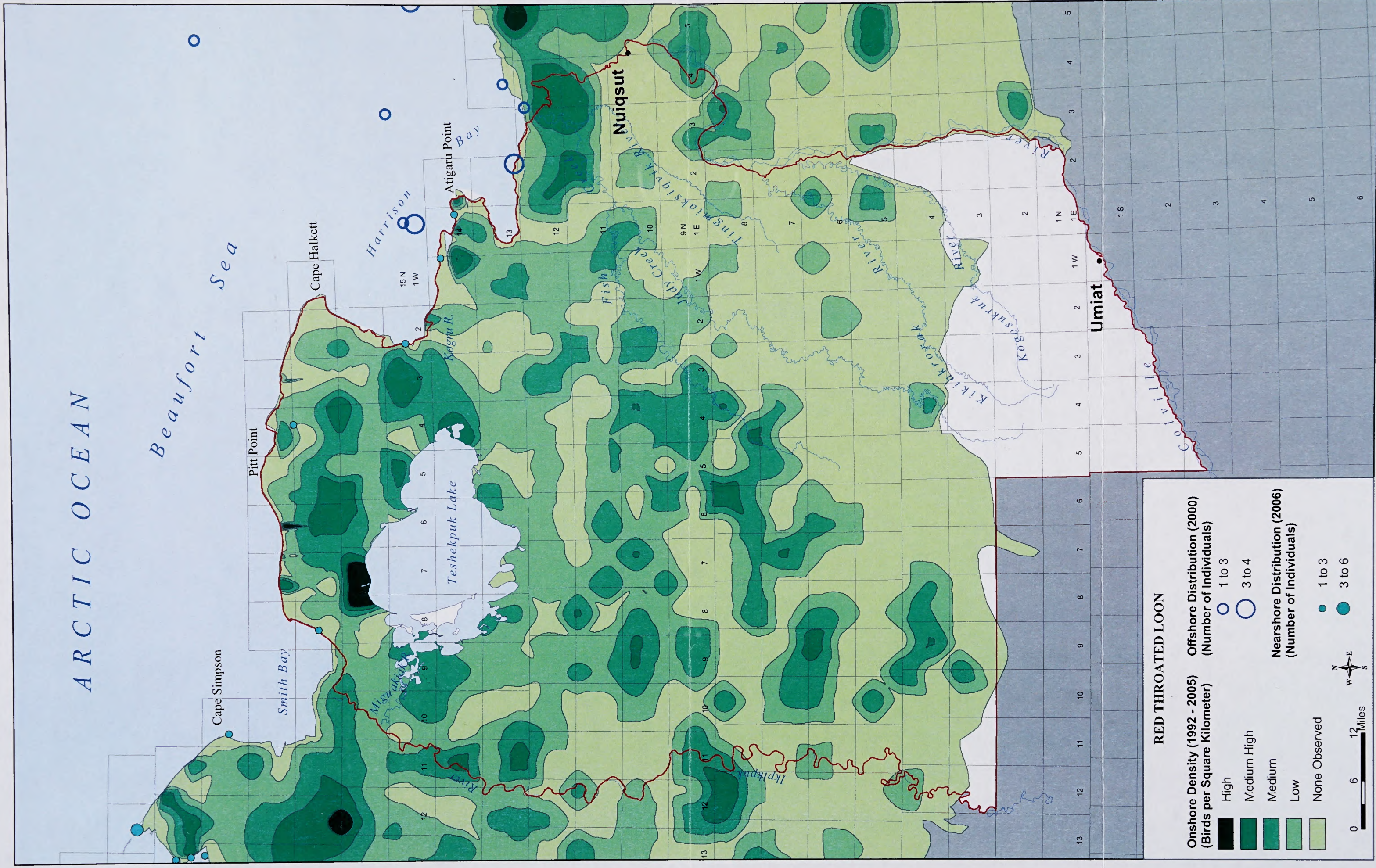
Source: Onshore Density Data and Offshore Data: USFWS Migratory Bird Management, Anchorage, AK

Map 3-10. Onshore Density and Offshore Beaufort Sea Distribution of Yellow-billed Loons in the Northeast National Petroleum Reserve-Alaska



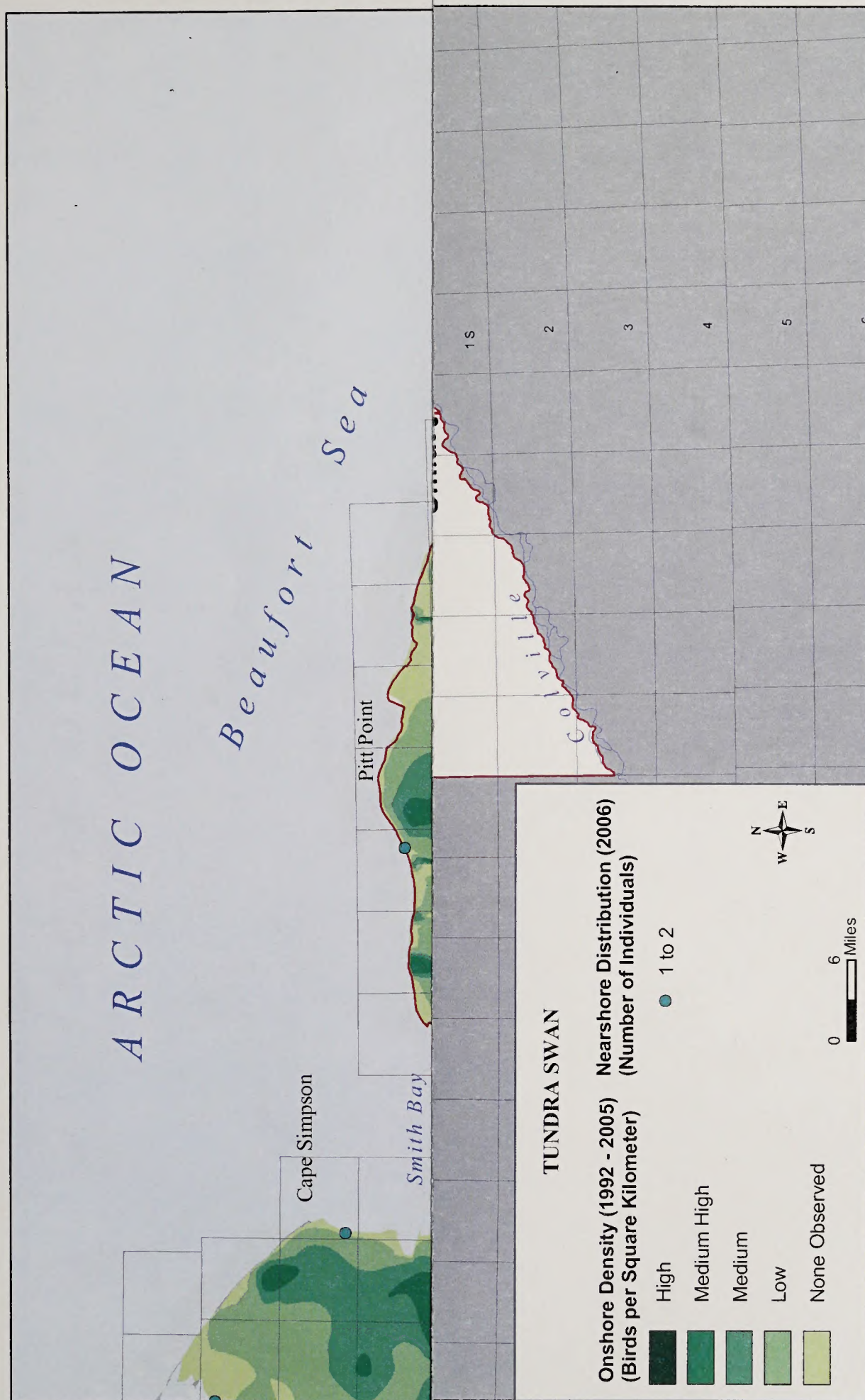
Source: Onshore Density Data, Nearshore Data, and Offshore Data: USFWS Migratory Bird Management, Anchorage, AK

Map 3-11. Onshore Density and Nearshore and Offshore Beaufort Sea Locations of Red-Throated Loons in the Northeast National Petroleum Reserve-Alaska



Source: Onshore Density Data, Nearshore Data, and Offshore Data: USFWS Migratory Bird Management, Anchorage, AK

Map 3-11. Onshore Density and Nearshore and Offshore Beaufort Sea Locations of Red-Throated Loons in the Northeast National Petroleum Reserve-Alaska

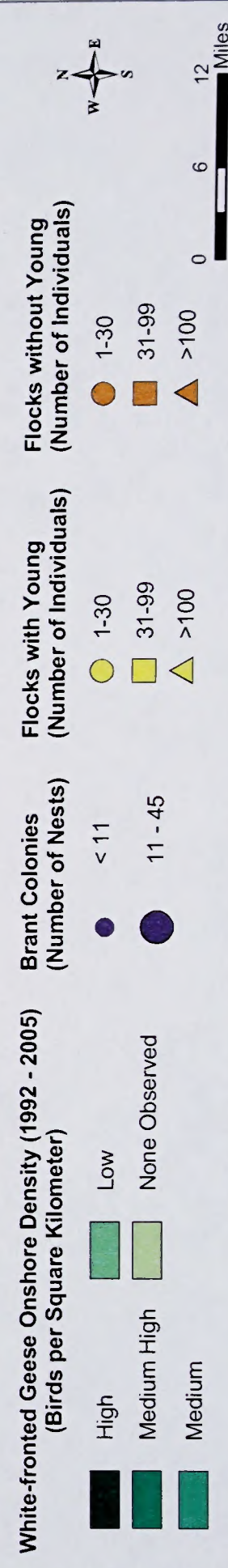


Source: Onshore Density Data and Nearshore Data: USFWS Migratory Bird Management, Anchorage, AK

Map 3-12. Onshore Density and Nearshore Beaufort Sea Locations of Tundra Swans in the Northeast National Petroleum Reserve-Alaska

This topographic map of the Kaktovik area in Alaska displays elevation contours ranging from 1 to 15 feet. The map includes the following features:

- Coastal Features:** Cape Simpson, Smith Bay, Cape Hallett, Atigaru Point, and Nuiqsut.
- Water Bodies:** Beaufort Sea, Teshekpuk Lake, and various rivers including the Ikroavik, Kikikroavik, Kogonukuk, and Harrison.
- Geographic Markers:** Pitt Point, Kaktovik, and Umiat.
- Elevation Contours:** Labeled with numbers 1 through 15, indicating the height in feet.
- Grid System:** A coordinate grid with letters A through S and numbers 1 through 15.

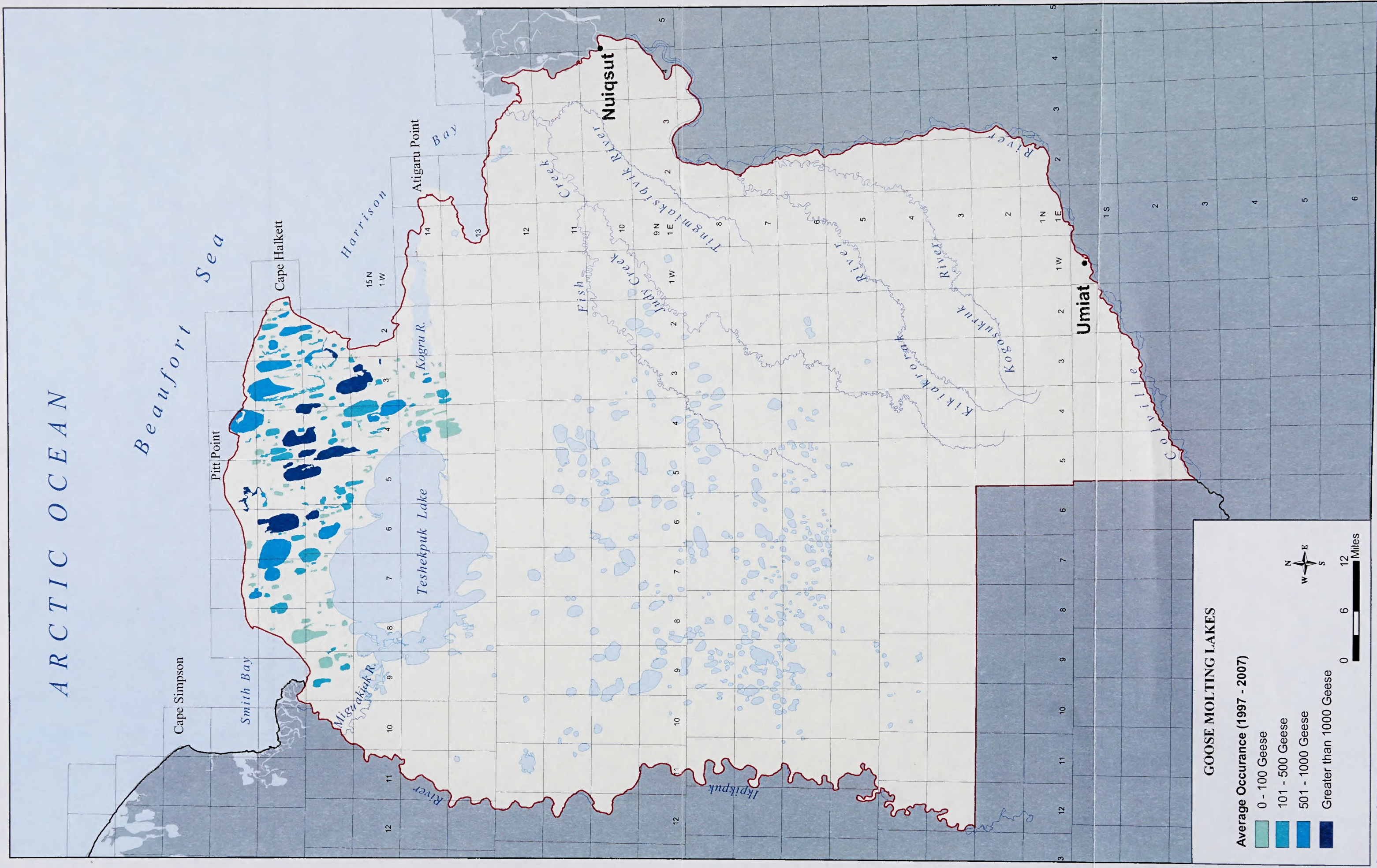


Map 3-13. Onshore Density of Greater White-fronted Geese and Brant Breeding Colonies and Post-nesting Brood Flocks in the Northeast National Petroleum Reserve-Alaska



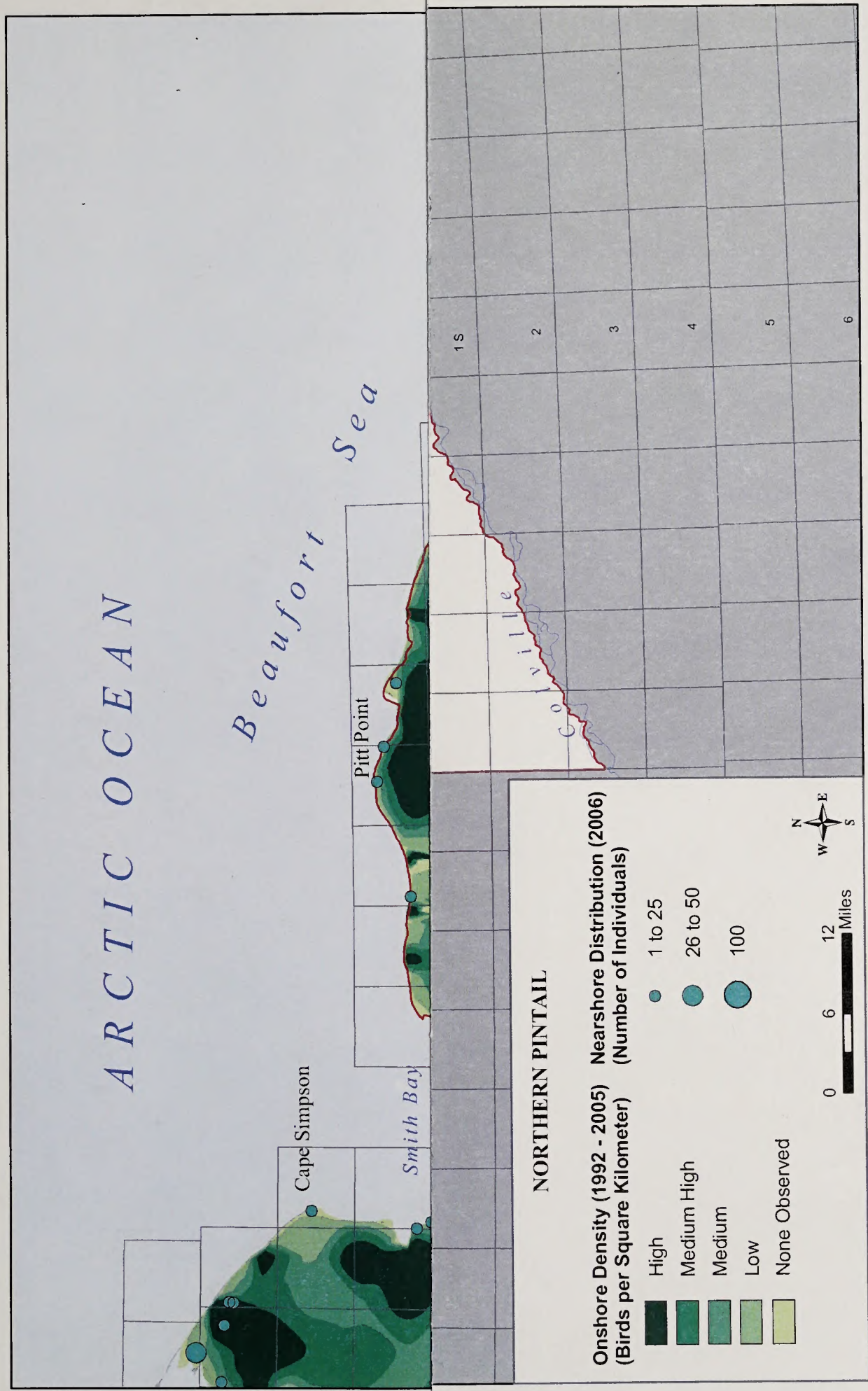
Source: USFWS Migratory Bird Management, Fairbanks, AK

Map 3-14. Average Occurance of all Adult and Juvenile Geese on Goose Molting Lakes in the Northeast National Petroleum Reserve-Alaska



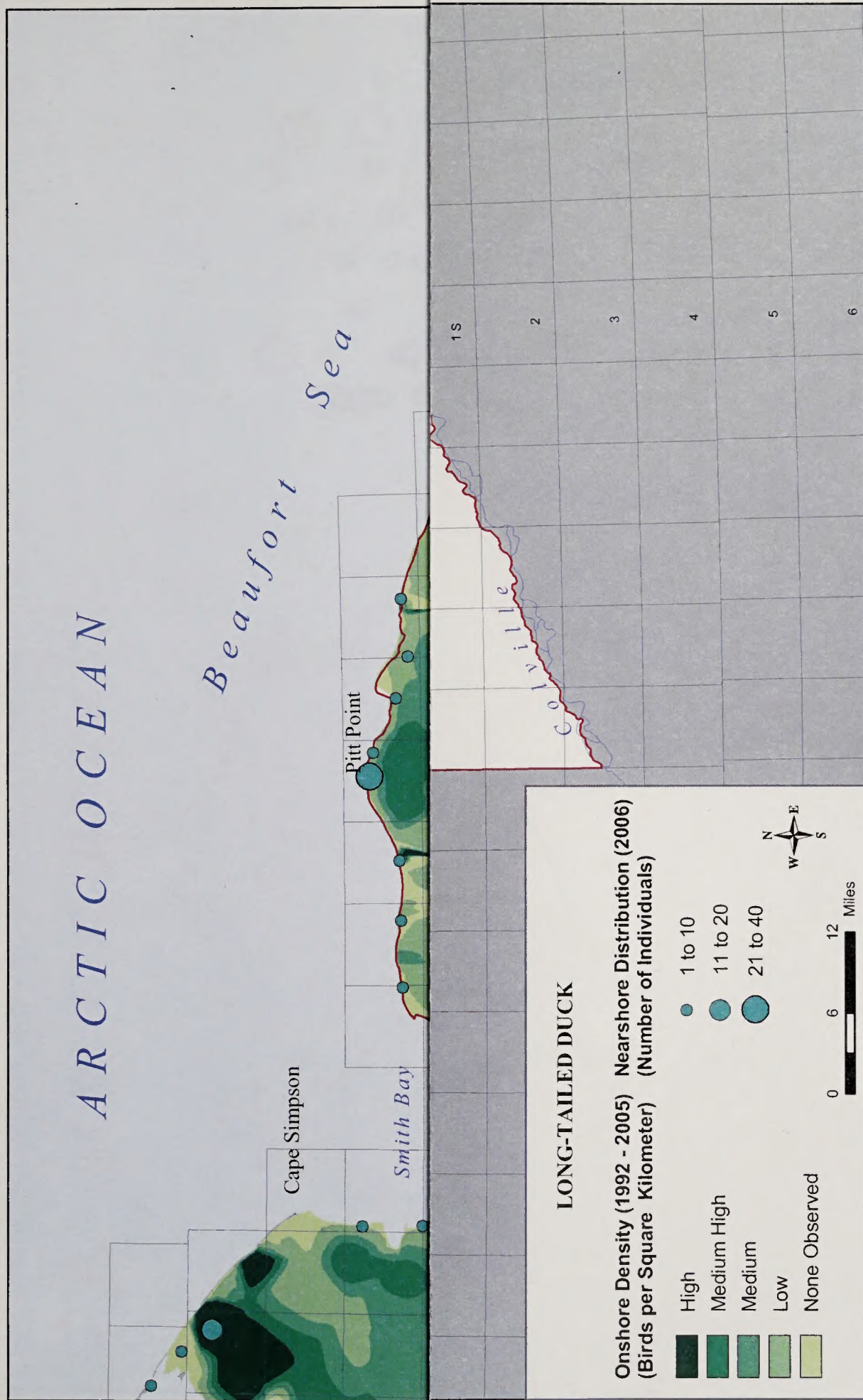
Source: USFWS Migratory Bird Management, Fairbanks, AK

Map 3-14. Average Occurrence of all Adult and Juvenile Geese on Goose Molting Lakes in the Northeast National Petroleum Reserve-Alaska



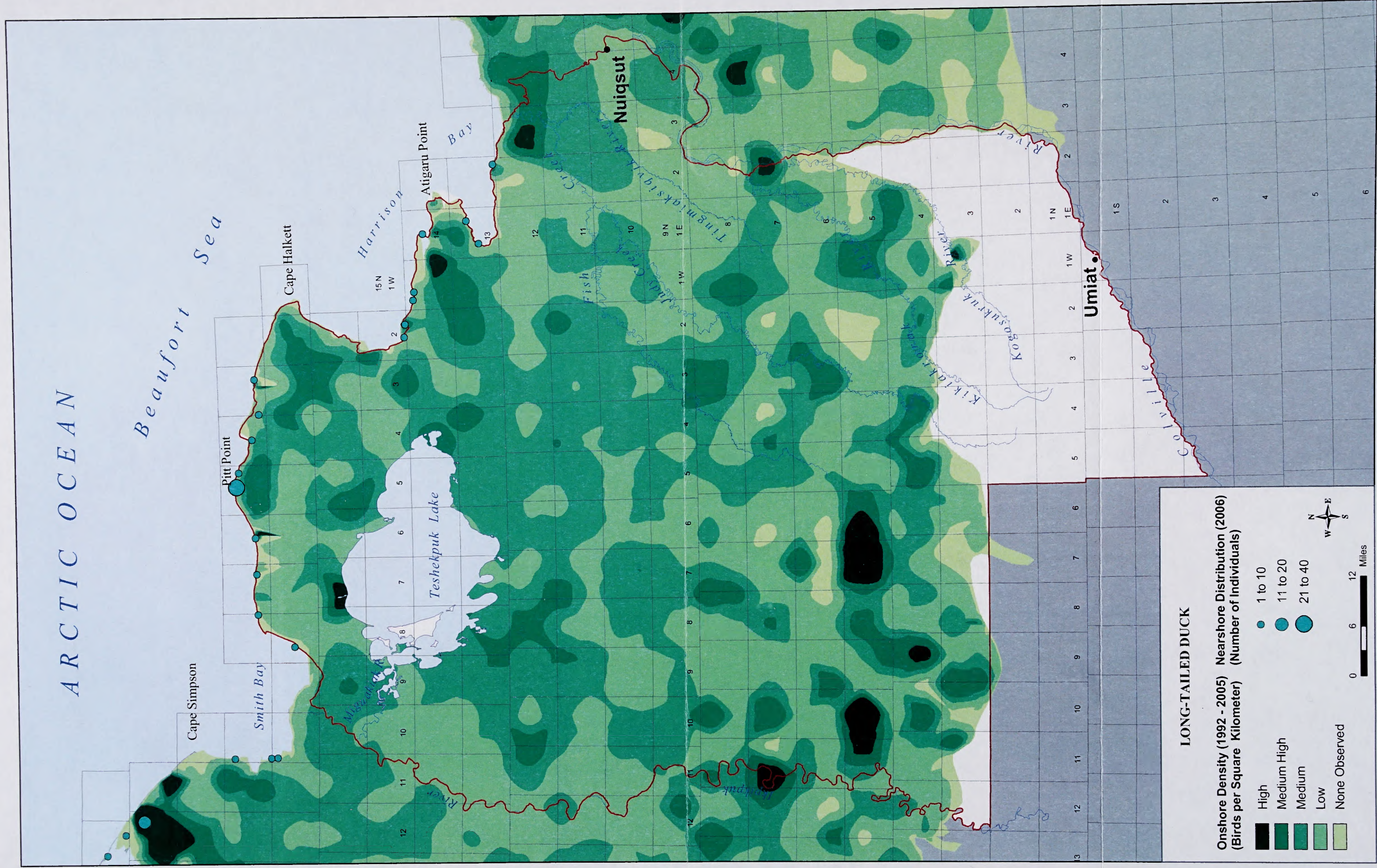
Source: Onshore Density Data and Nearshore Data: USFWS Migratory Bird Management, Anchorage, AK

Map 3-15. Onshore Density and Nearshore Beaufort Sea Distribution of Northern Pintails in the Northeast National Petroleum Reserve-Alaska

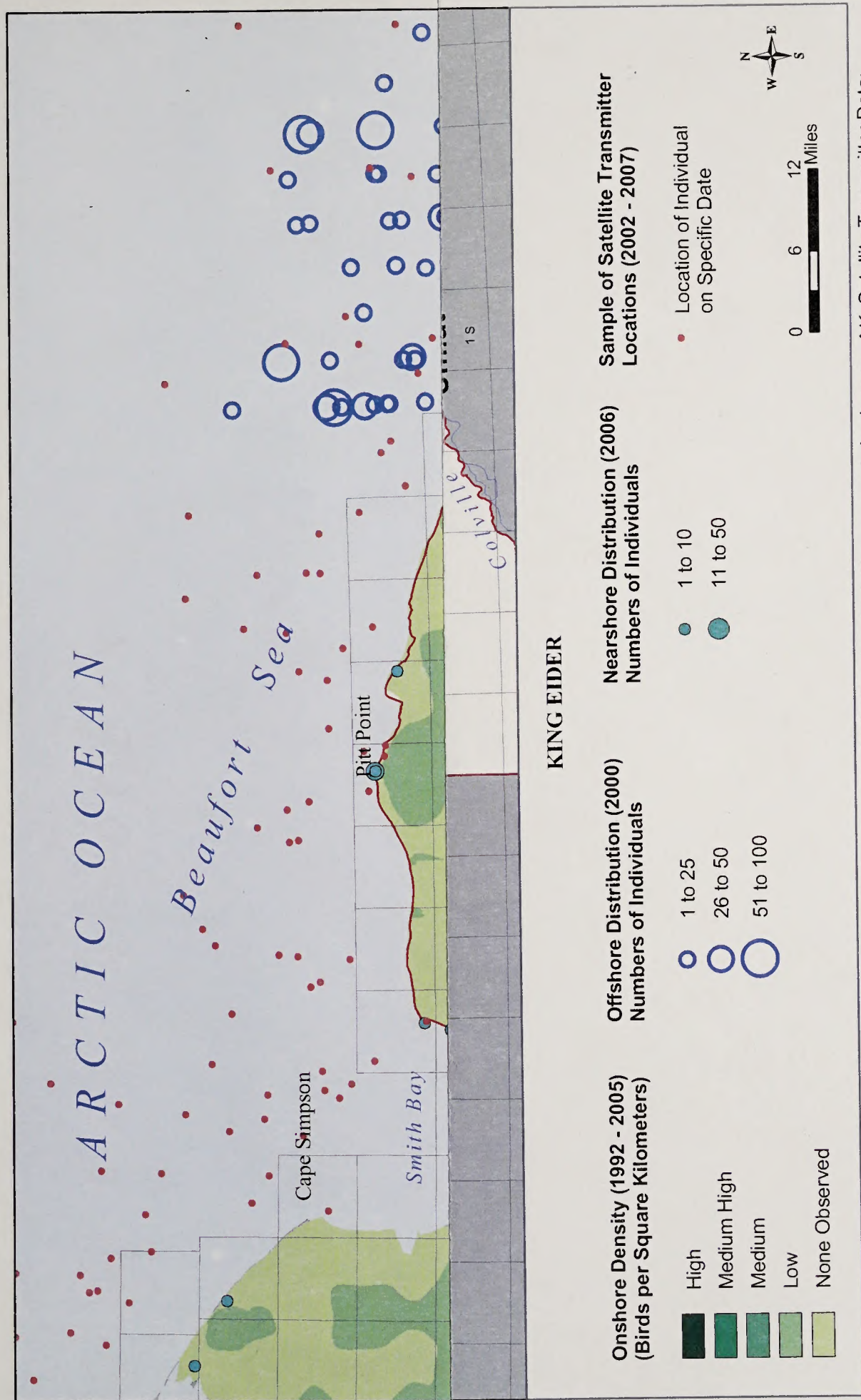


Source: Onshore Density Data and Nearshore Data: USFWS Migratory Bird Management, Anchorage, AK

Map 3-16. Onshore Density and Nearshore Beaufort Sea Distribution of Long-tailed Ducks in the Northeast National Petroleum Reserve-Alaska

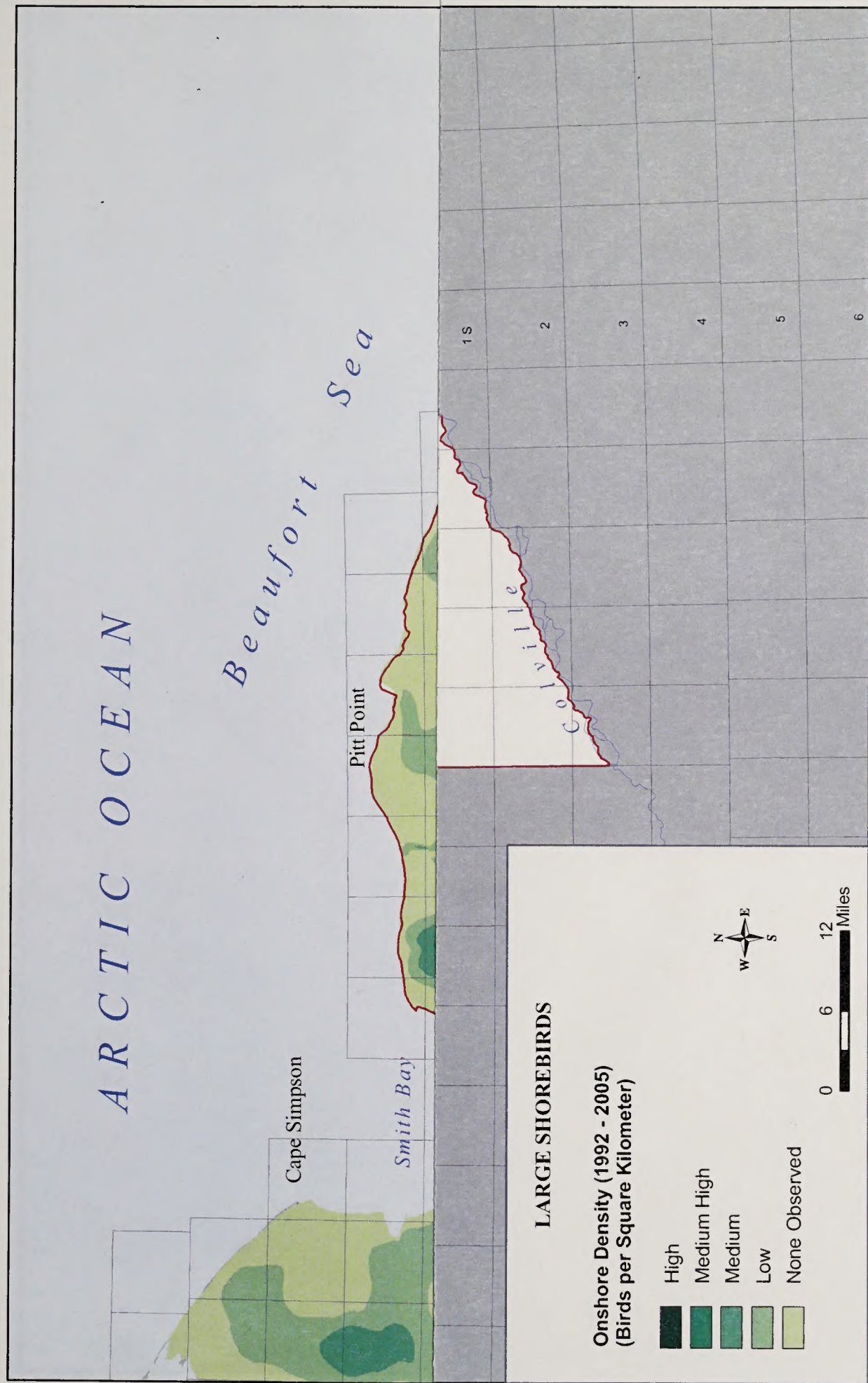


Map 3-16. Onshore Density and Nearshore Beaufort Sea Distribution of Long-tailed Ducks in the Northeast National Petroleum Reserve-Alaska



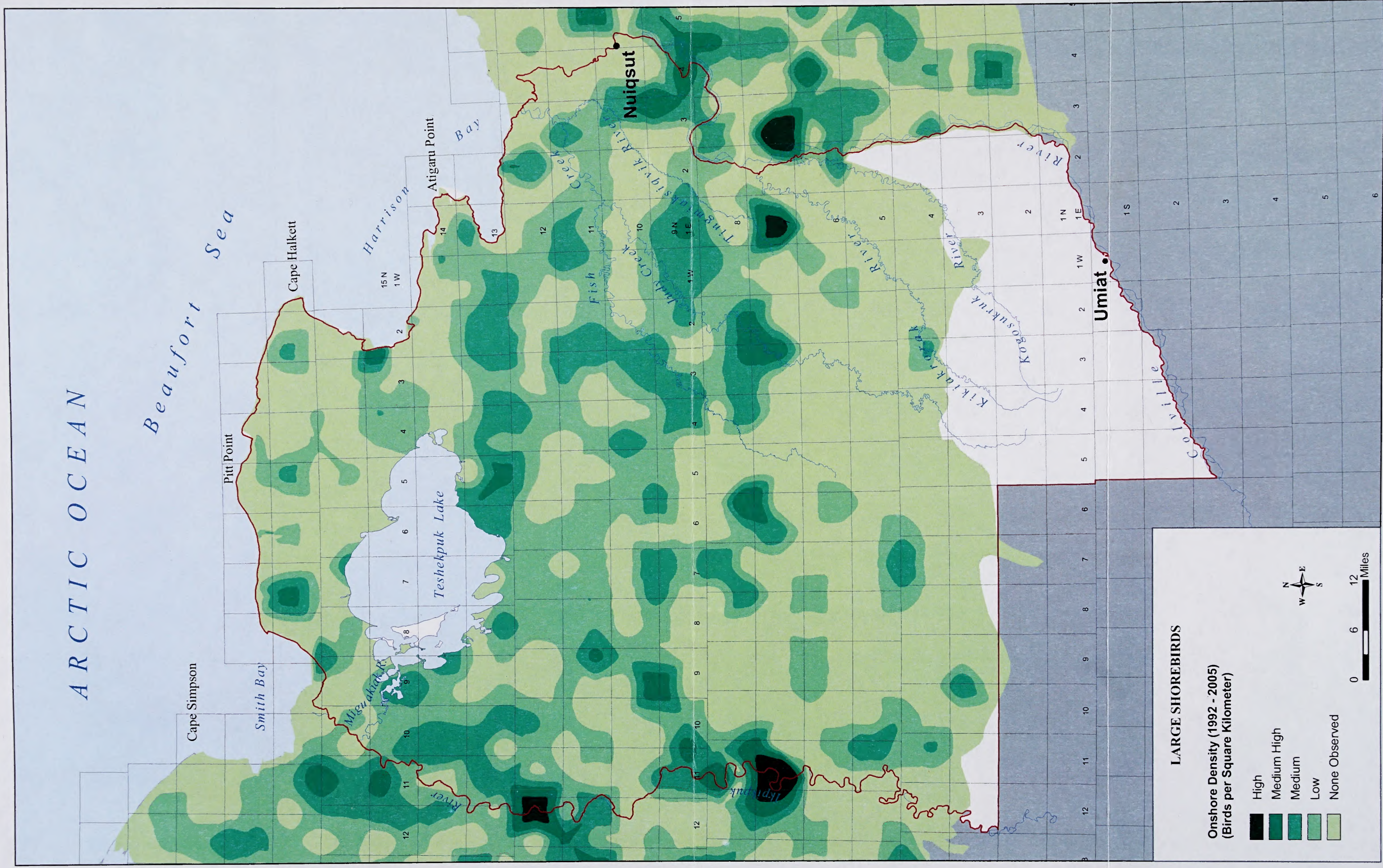
Source: Onshore Density Data, Nearshore Data, and Offshore Data: USFWS Migratory Bird Management, Anchorage, AK; Satellite Transmitter Data: Minerals Management Service, Anchorage, AK

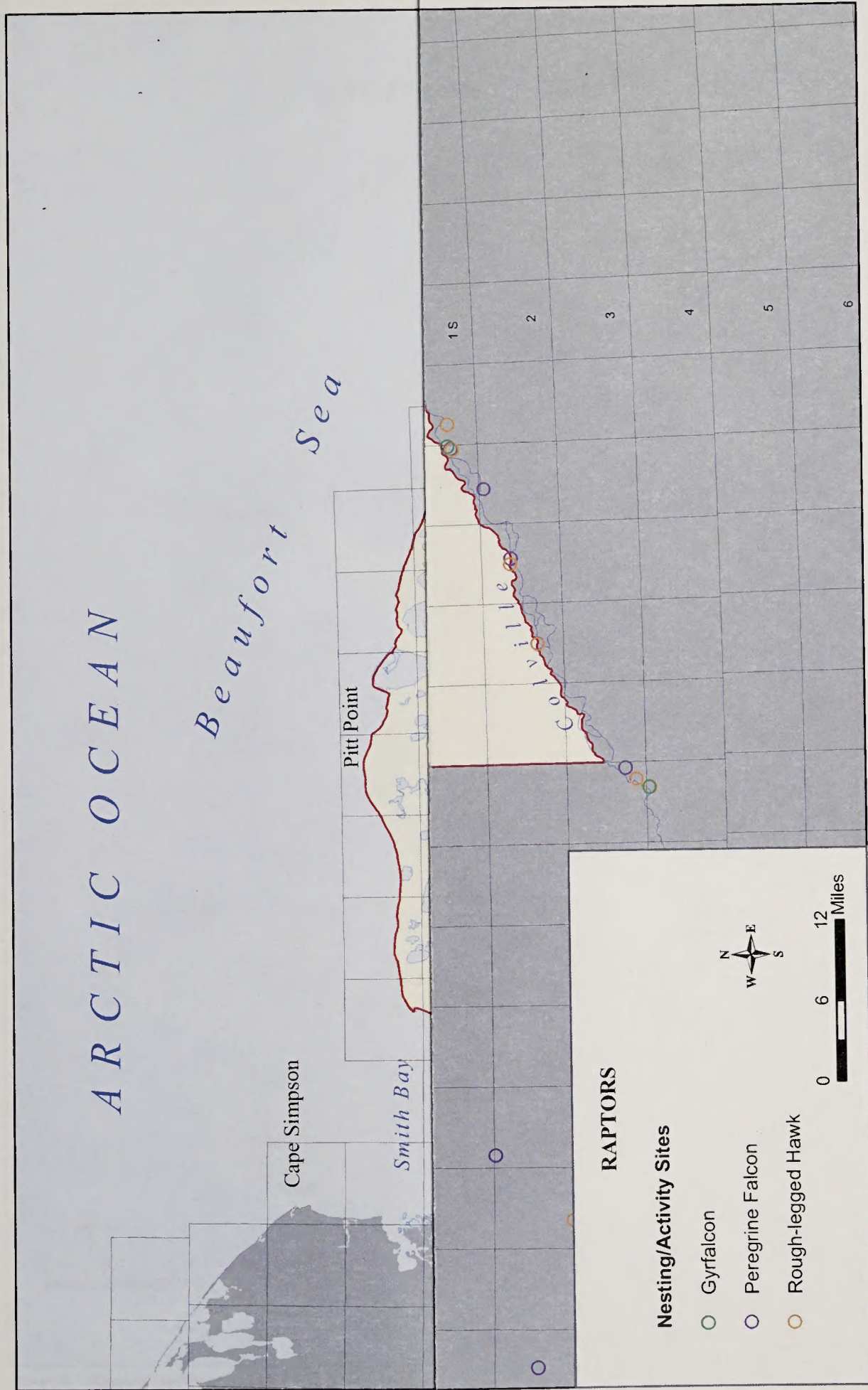
Map 3-17. Onshore Density, Nearshore and Offshore Beaufort Sea Distribution and Selected Locations of Satellite Transmitter Equipped King Eiders in the Northeast National Petroleum Reserve-Alaska



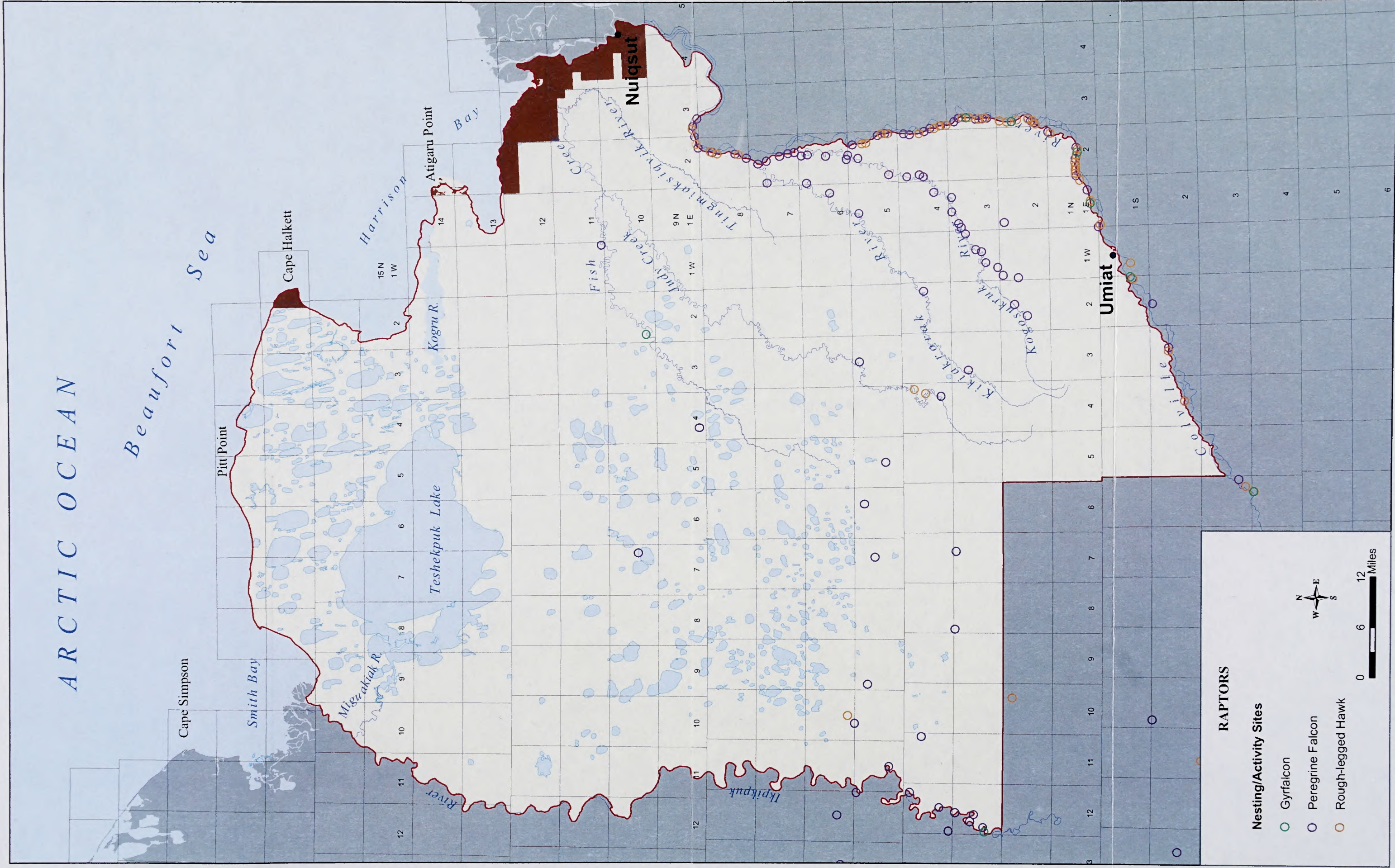
Source: Onshore Density Data: USFWS Migratory Bird Management, Anchorage, AK

Map 3-18. Onshore Density of Large Shorebirds in the Northeast National Petroleum Reserve-Alaska

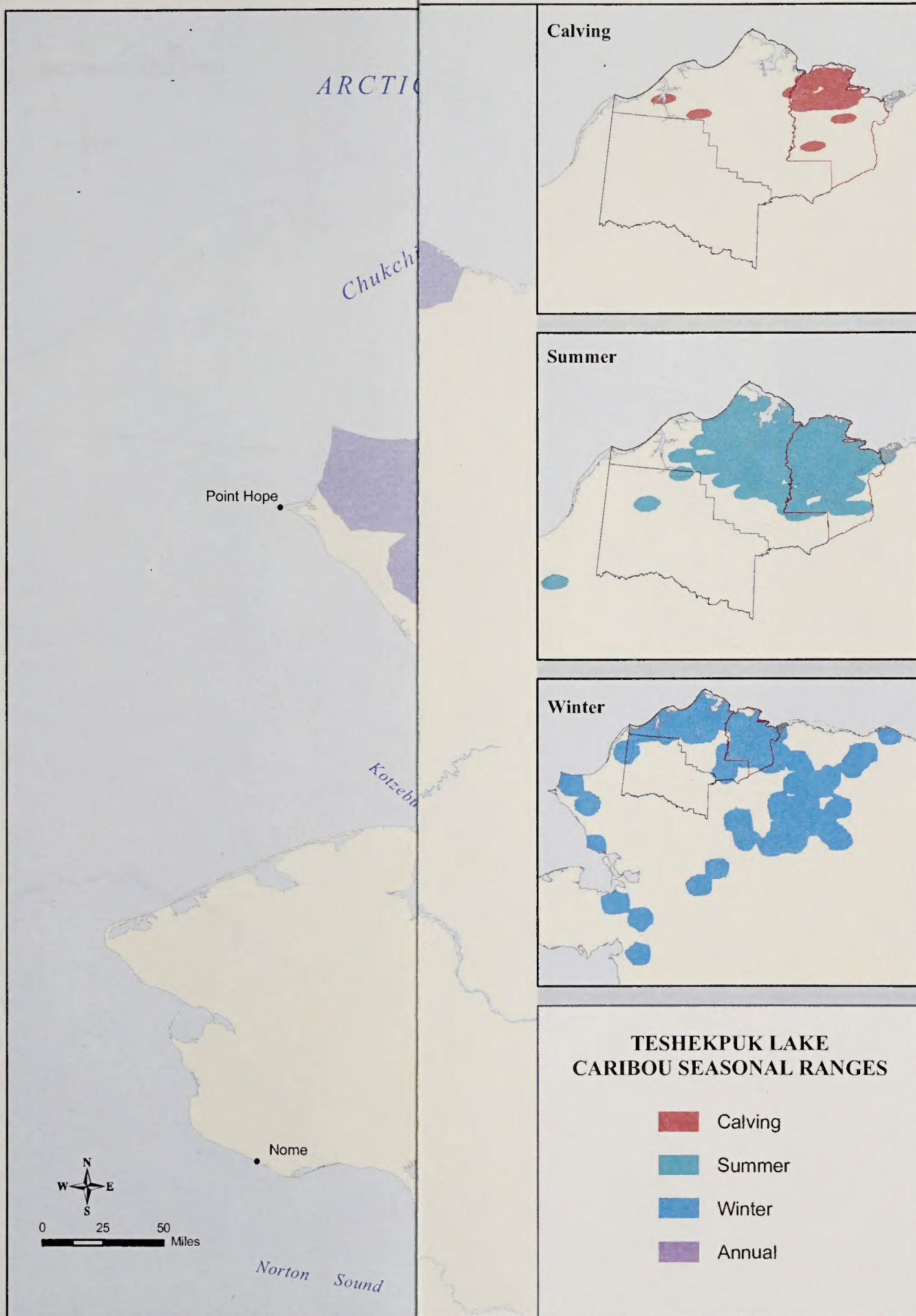




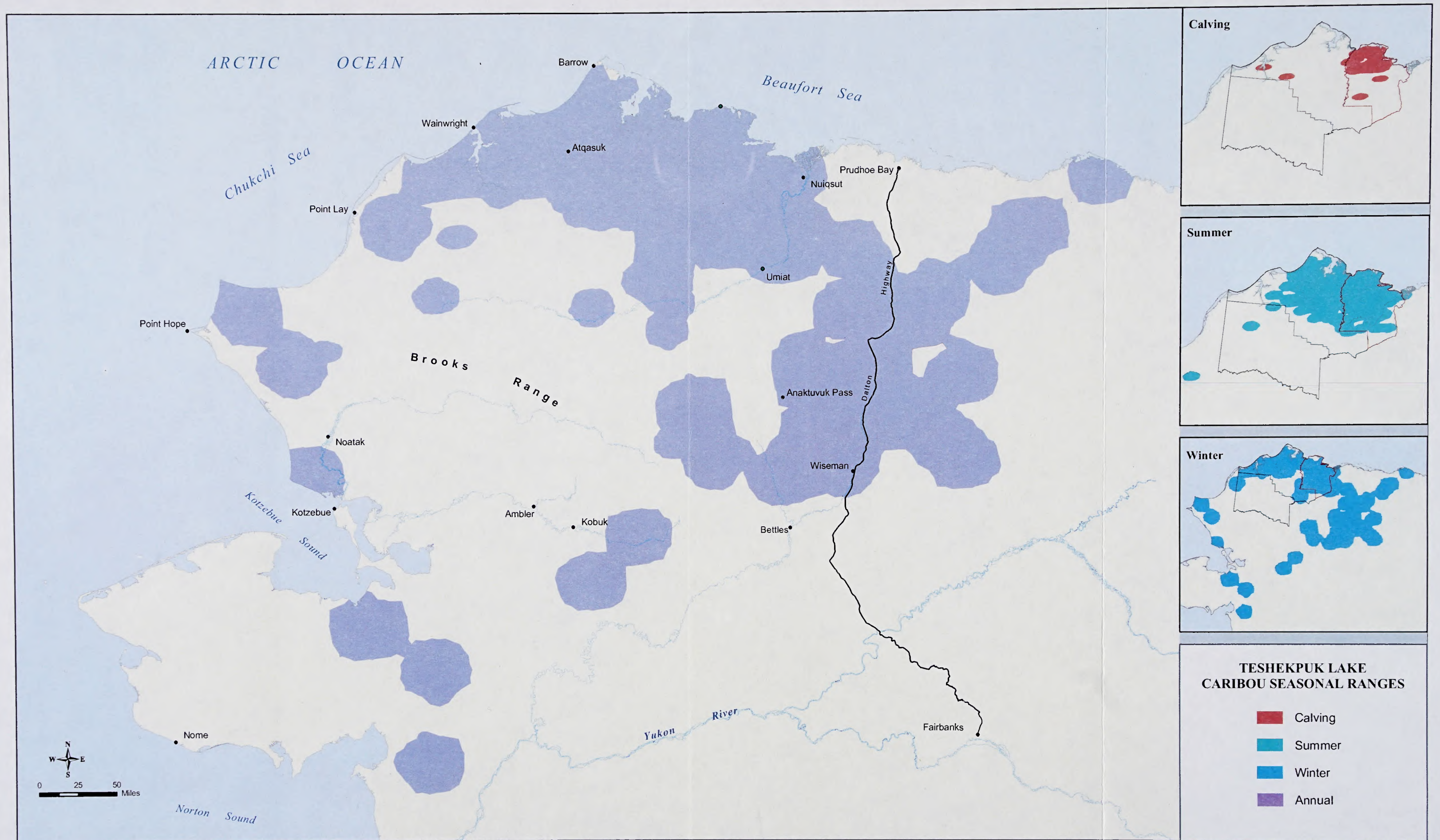
Source: USFWS, Fairbanks Fish and Wildlife Field Office Endangered Species Branch; BLM, Fairbanks District Office, Arctic Field Office
Map 3-19. Locations of Raptor Nesting/Activity Sites in the Northeast National Petroleum Reserve-Alaska



Source: USFWS, Fairbanks Fish and Wildlife Field Office Endangered Species Branch; BLM, Fairbanks District Office, Arctic Field Office
Map 3-19. Locations of Raptor Nesting/Activity Sites in the Northeast National Petroleum Reserve-Alaska

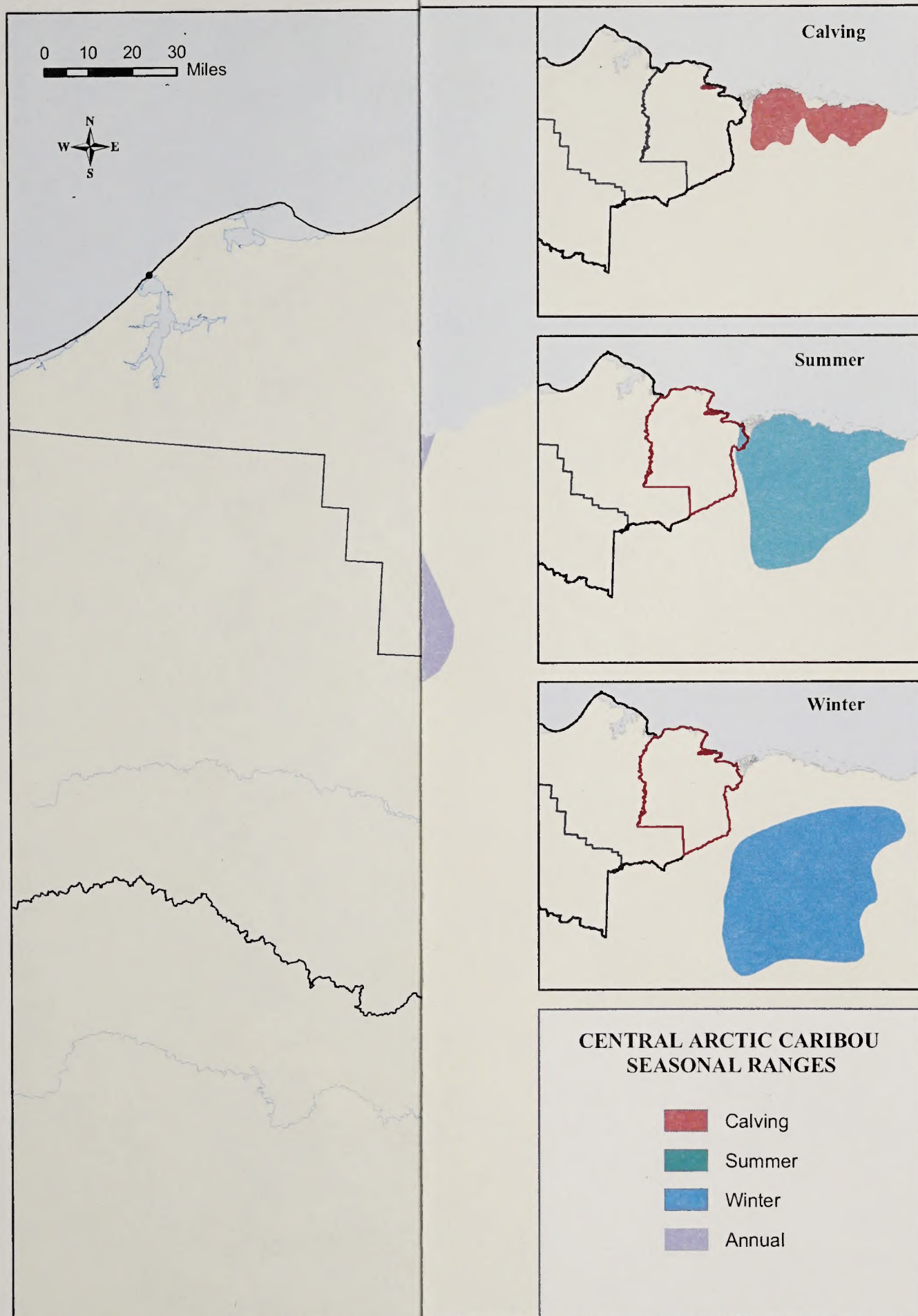


Source: Alaska Department of Fish & Game and
Map 3-20. Teshekpuk Lake Caribou



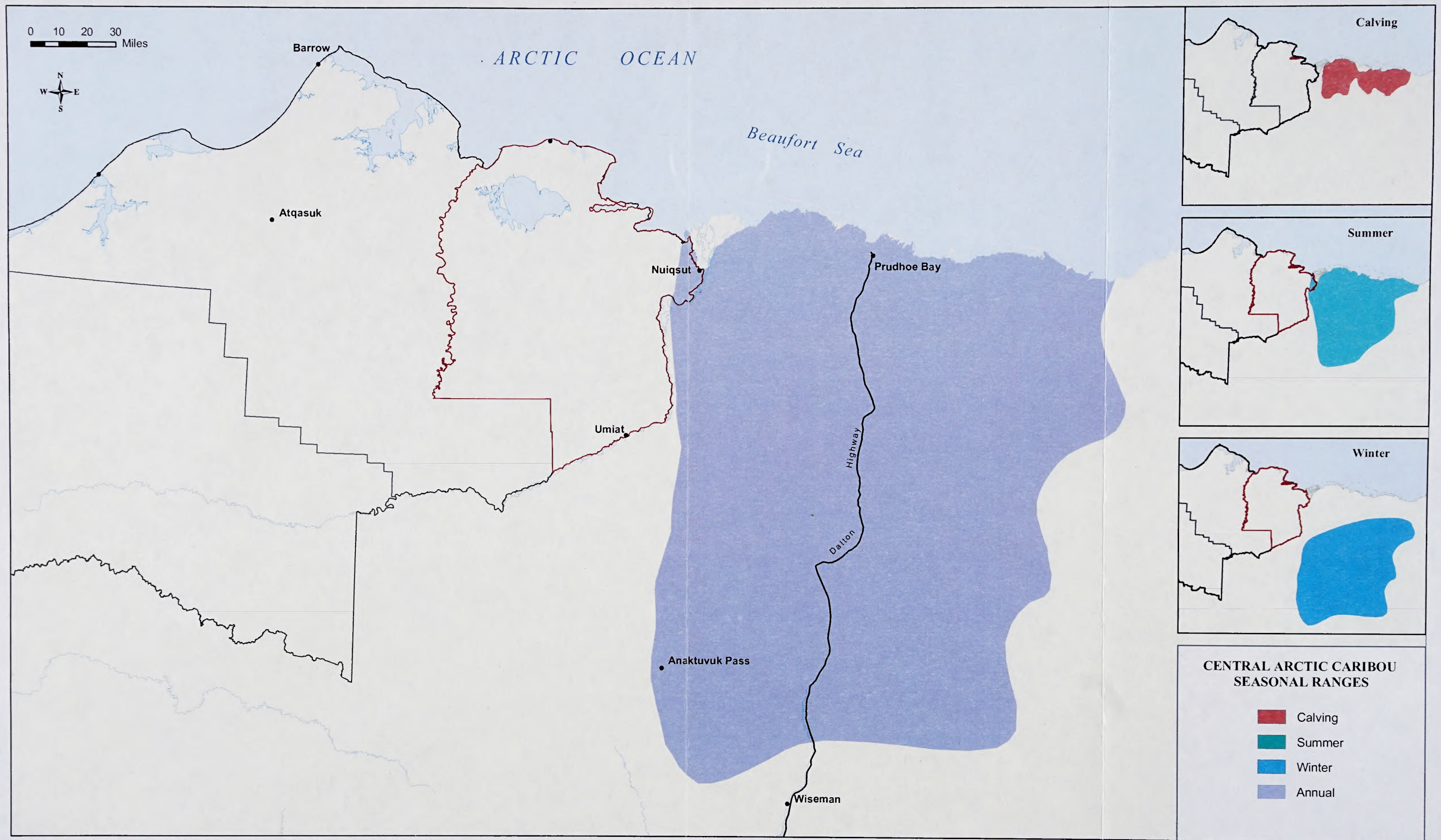
Source: Alaska Department of Fish & Game and ABR Inc. - Environmental Research and Services

Map 3-20. Teshekpuk Lake Caribou Herd Seasonal Ranges in Northern Alaska (1990 - 2005 Satellite Telemetry Data)



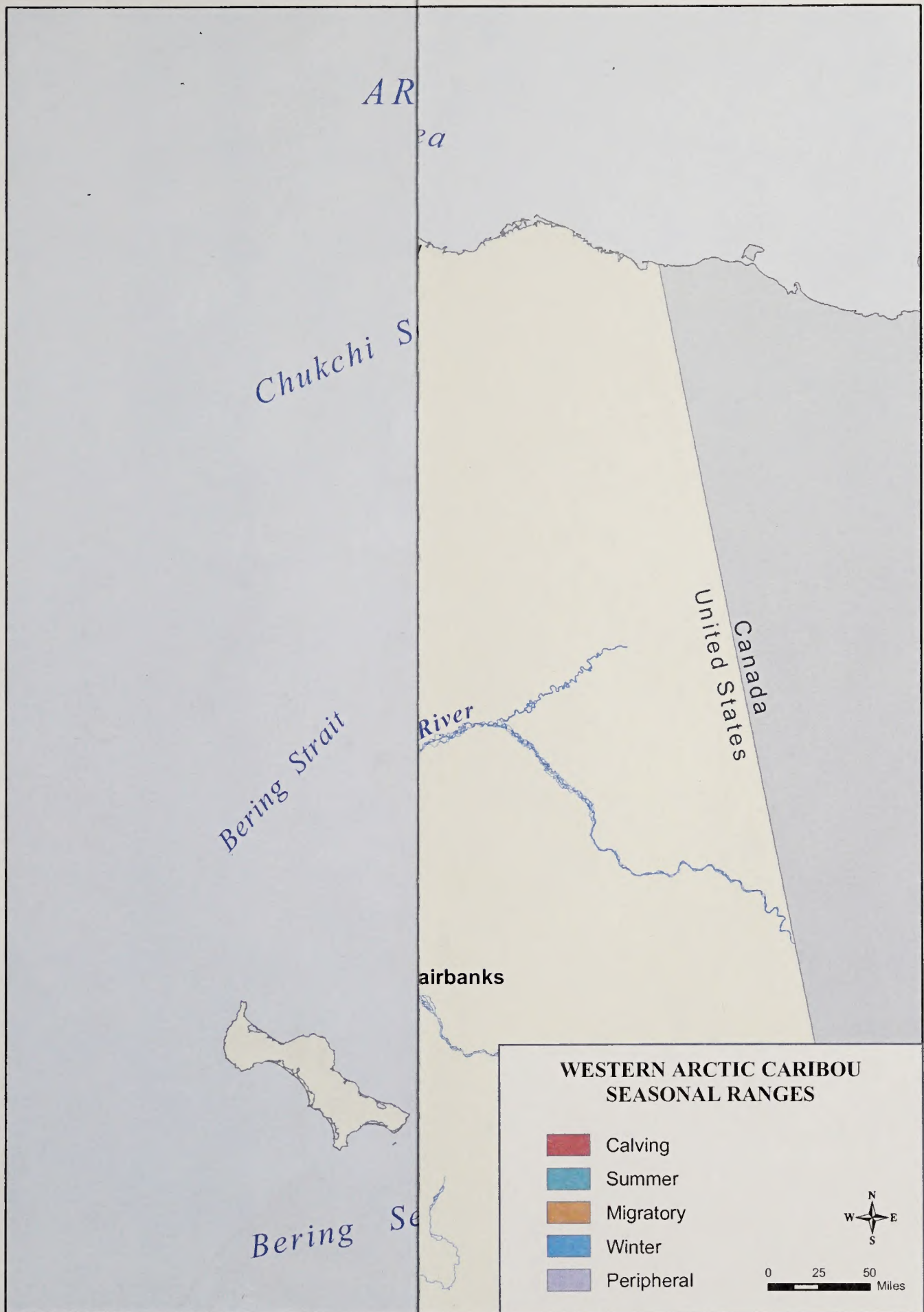
Source: Alaska Department of Fish & Game

Map 3-21. Central Arctic Caribou



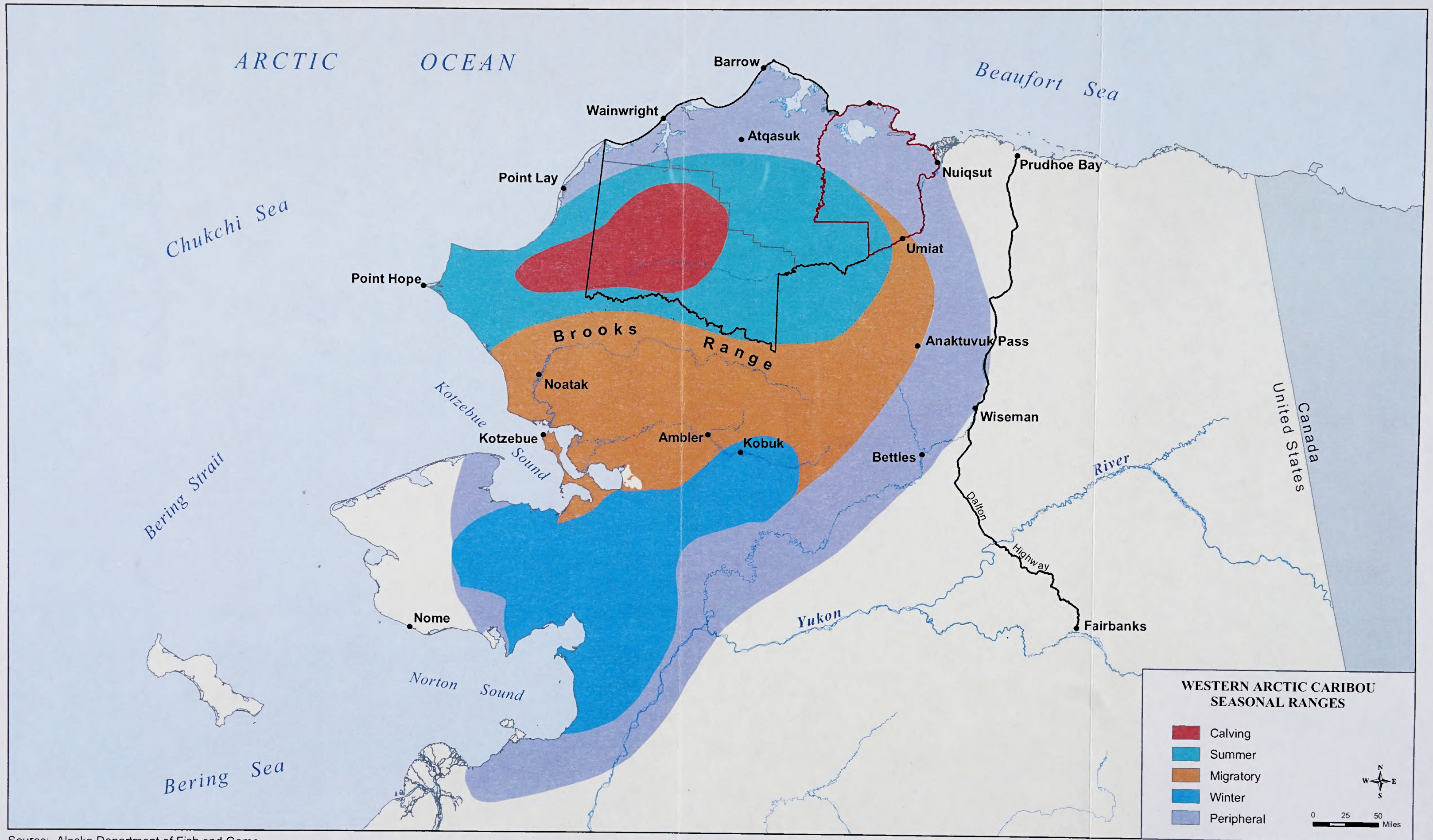
Source: Alaska Department of Fish & Game

Map 3-21. Central Arctic Caribou Herd Seasonal Ranges in Northern Alaska



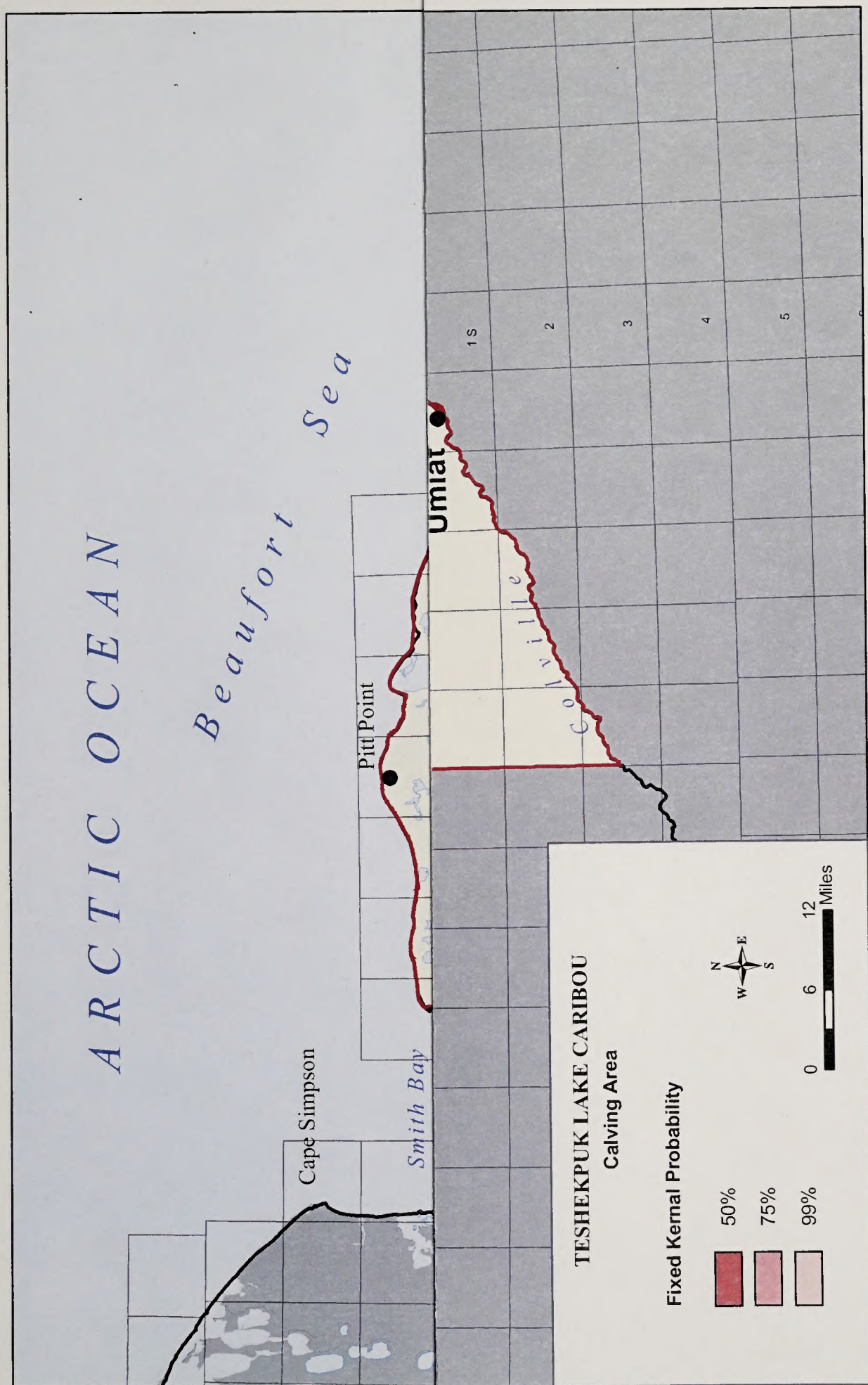
Source: Alaska Department of Fish and Game

Map 3-22. Western Arctic Caribou



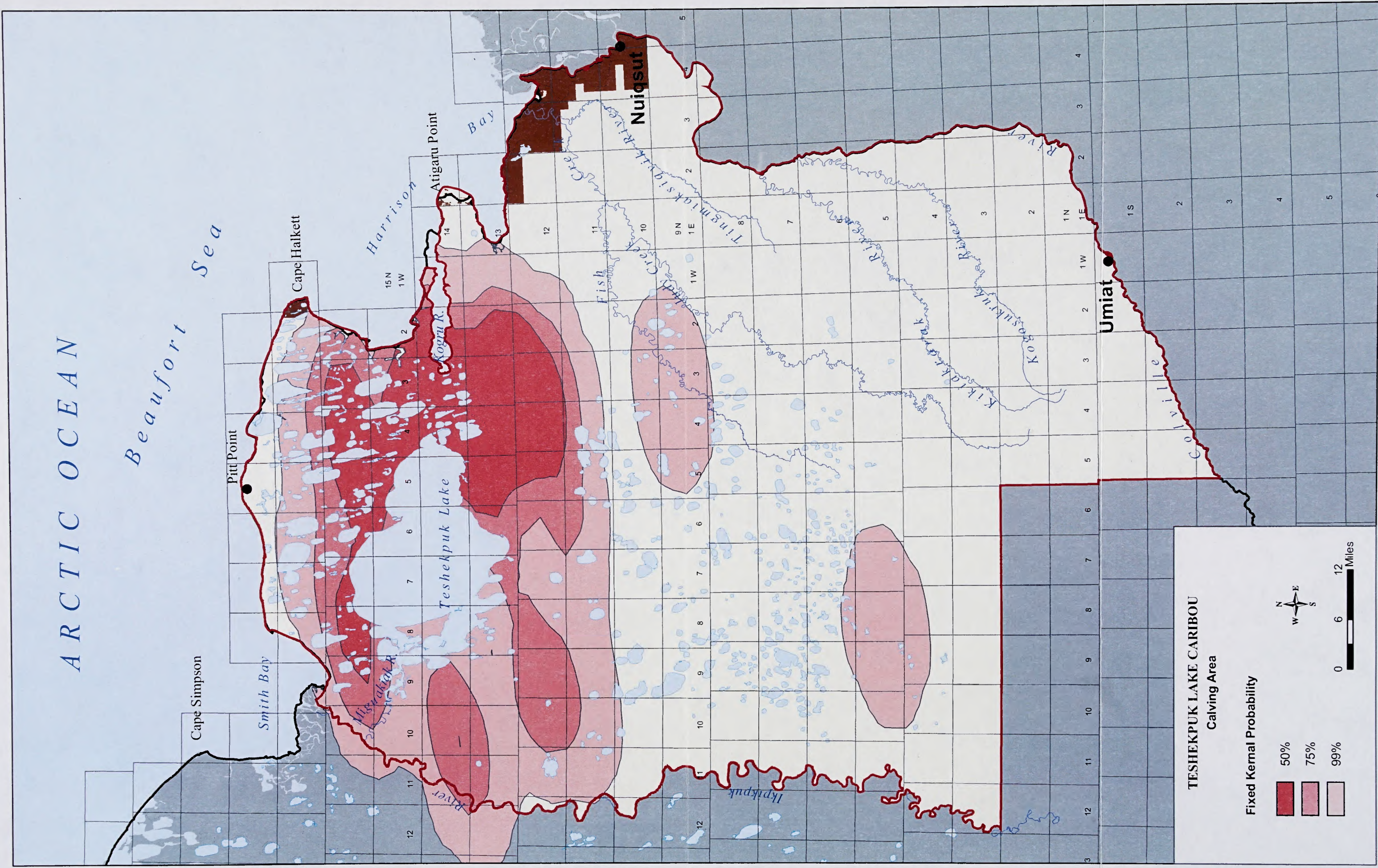
Source: Alaska Department of Fish and Game

Map 3-22. Western Arctic Caribou Herd Seasonal Ranges in Northern Alaska



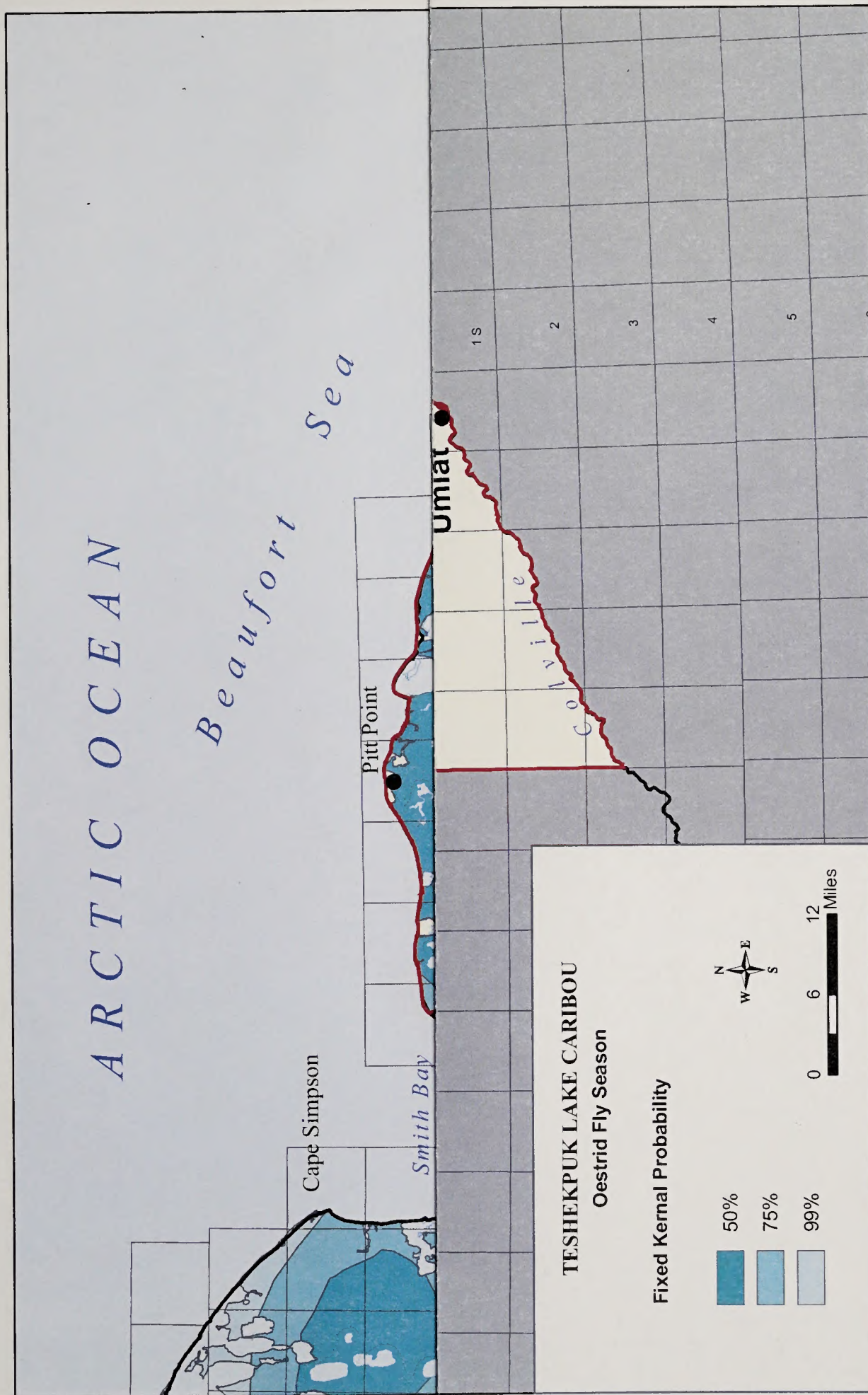
Source: ABR Inc. - Environmental Research and Services

Map 3-23. Teshekpuk Lake Caribou Herd Calving Areas (successful females only) in the Northeast National Petroleum Reserve-Alaska (1990 - 2005 Satellite Telemetry Data)



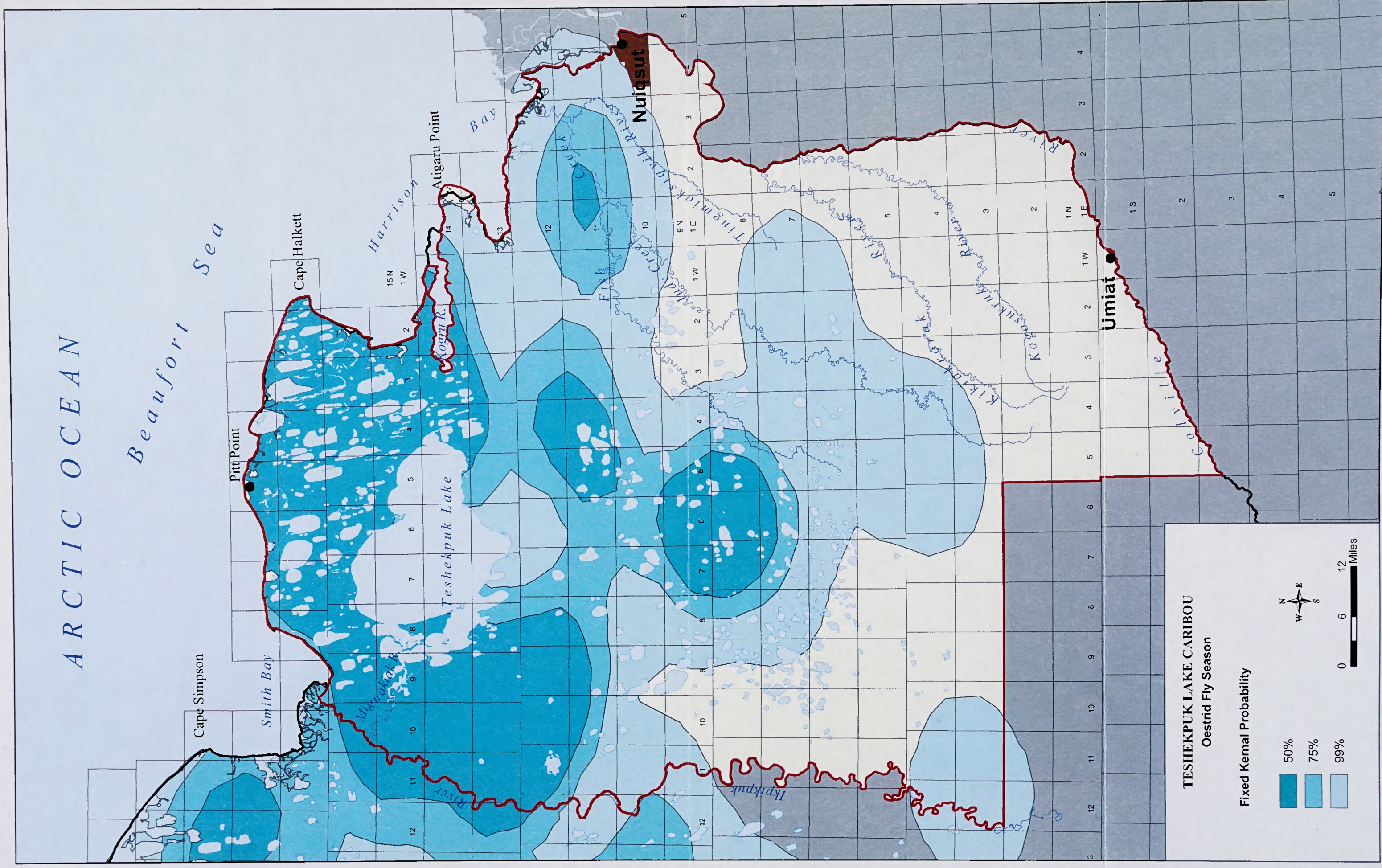
Source: ABR Inc. - Environmental Research and Services

Map 3-23. Teshekpuk Lake Caribou Herd Calving Areas (successful females only) in the Northeast National Petroleum Reserve-Alaska (1990 - 2005 Satellite Telemetry Data)



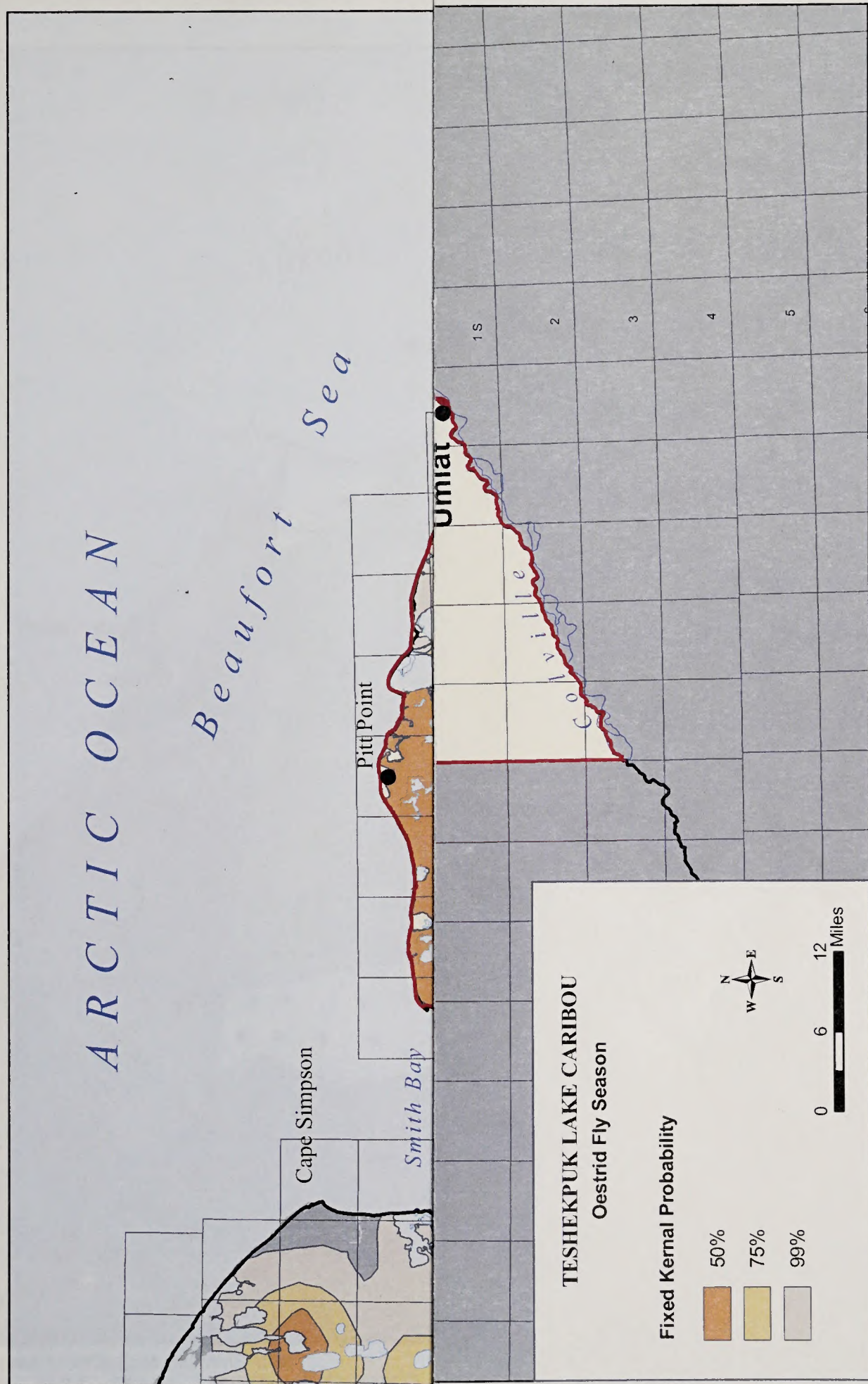
Source: ABR Inc. - Environmental Research and Services

Map 3-24. Teshekpuk Lake Caribou Herd Oestrus Fly Relief Areas in the Northeast National Petroleum Reserve-Alaska (1990 - 2005 Satellite Telemetry Data)



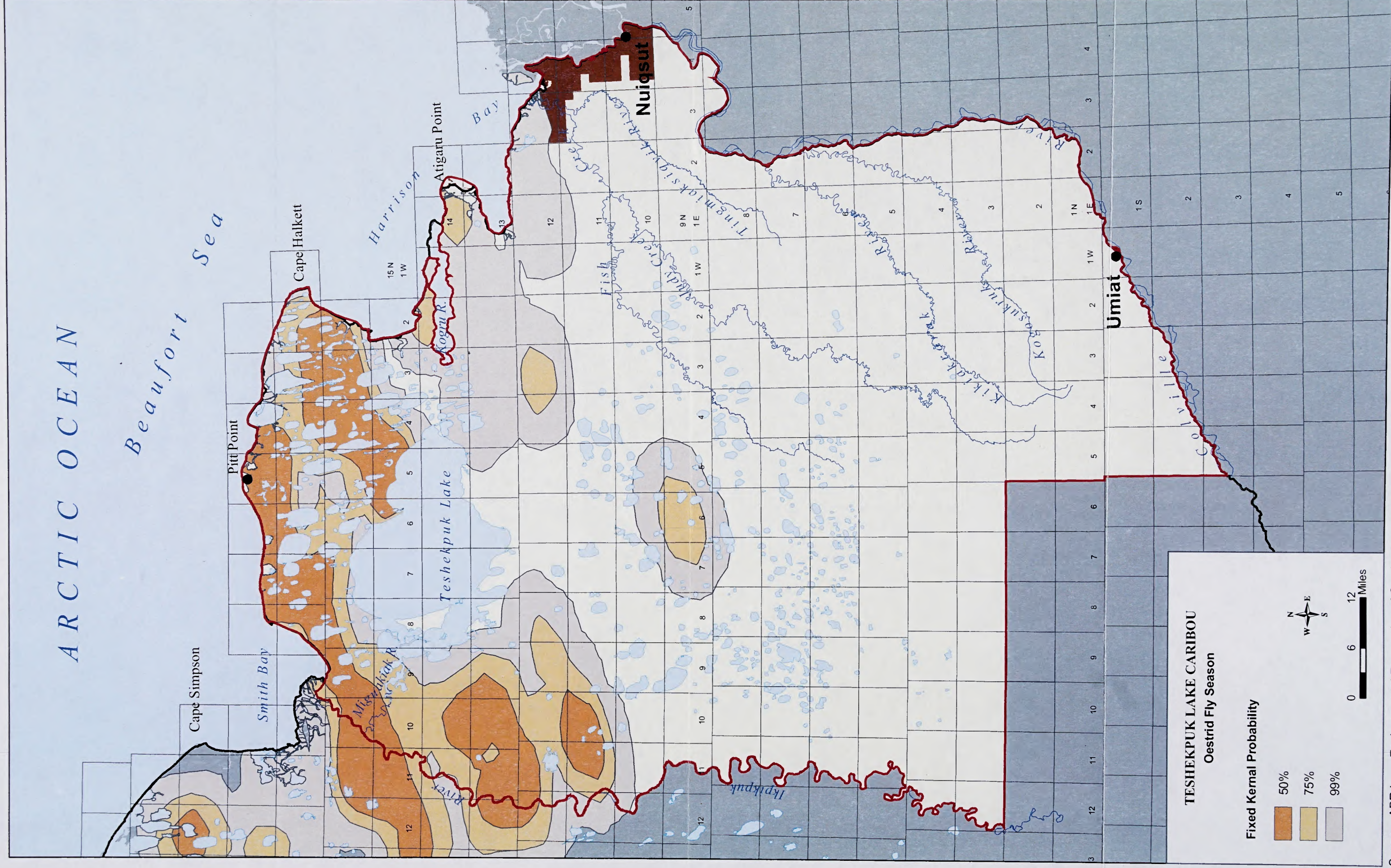
Source: ABR Inc. - Environmental Research and Services

Map 3-24. Teshekpuk Lake Caribou Herd Oestrus Fly Relief Areas in the Northeast National Petroleum Reserve-Alaska (1990 - 2005 Satellite Telemetry Data)



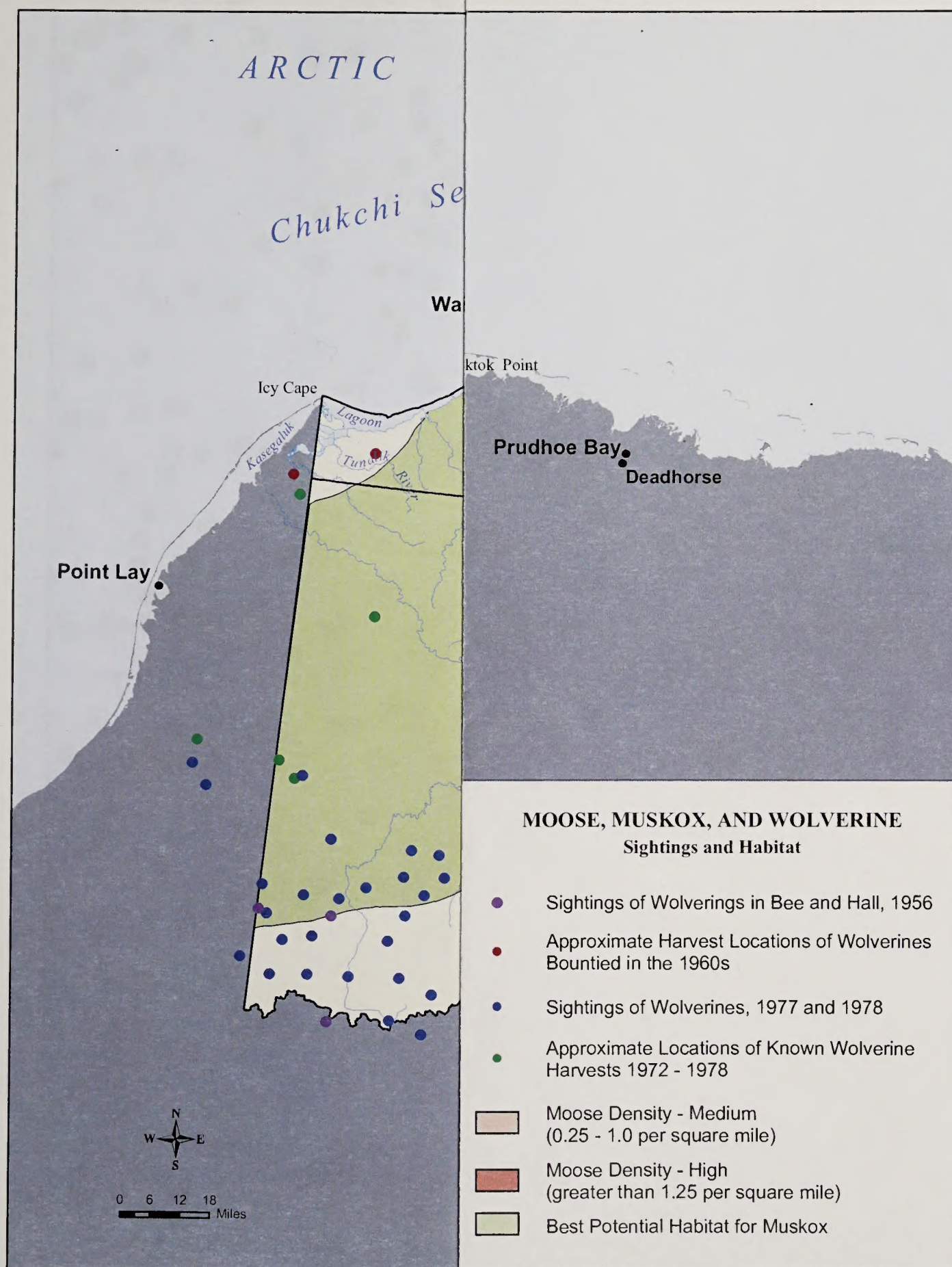
Source: ABR Inc. - Environmental Research and Services

Map 3-25. Teshekpuk Lake Caribou Herd Mosquito Relief Areas in the Northeast National Petroleum Reserve-Alaska (1990 - 2005 Satellite Telemetry Data)



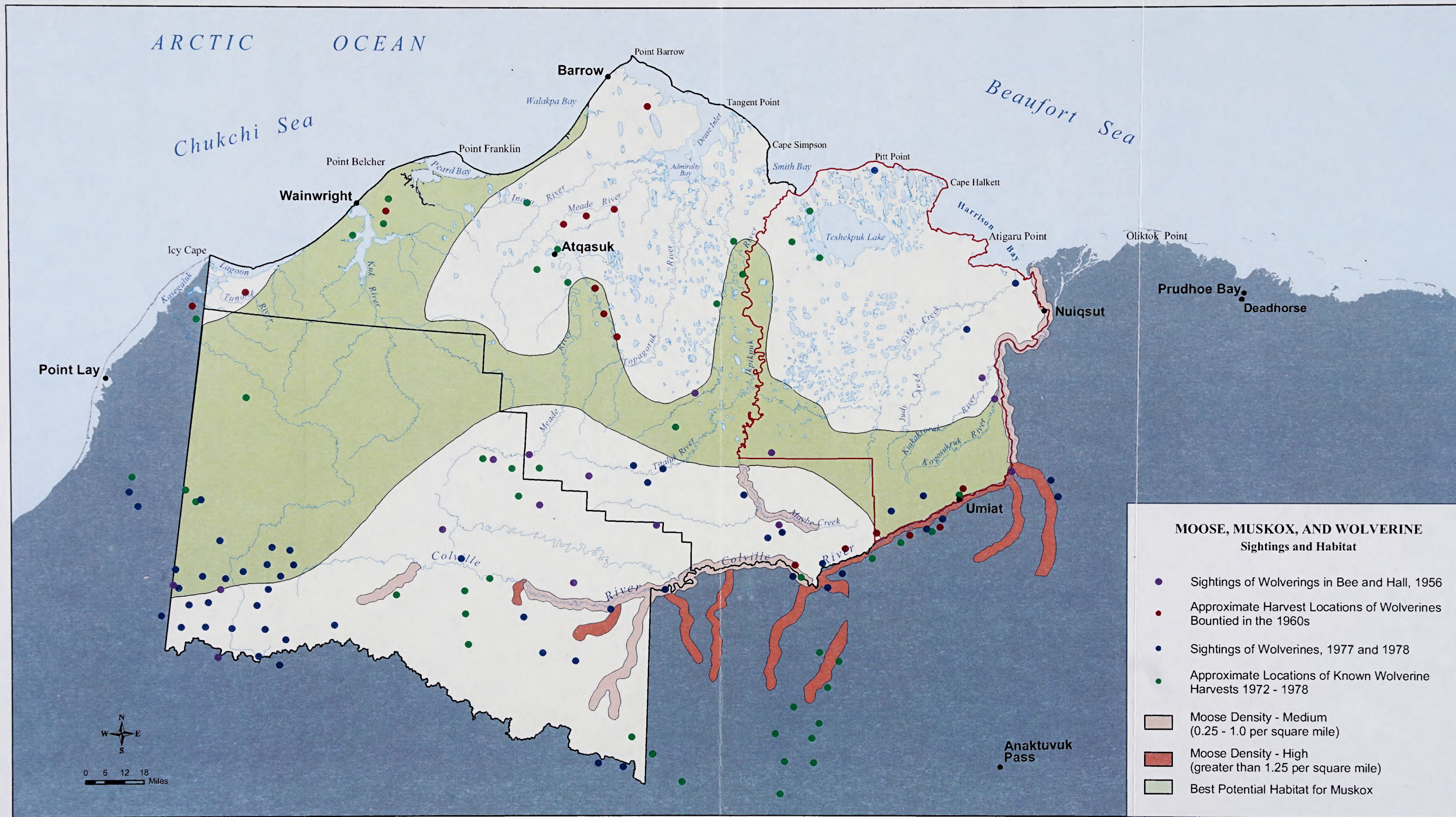
Source: ABR Inc. - Environmental Research and Services

Map 3-25. Teshekpuk Lake Caribou Herd Mosquito Relief Areas in the Northeast National Petroleum Reserve-Alaska (1990 - 2005 Satellite Telemetry Data)



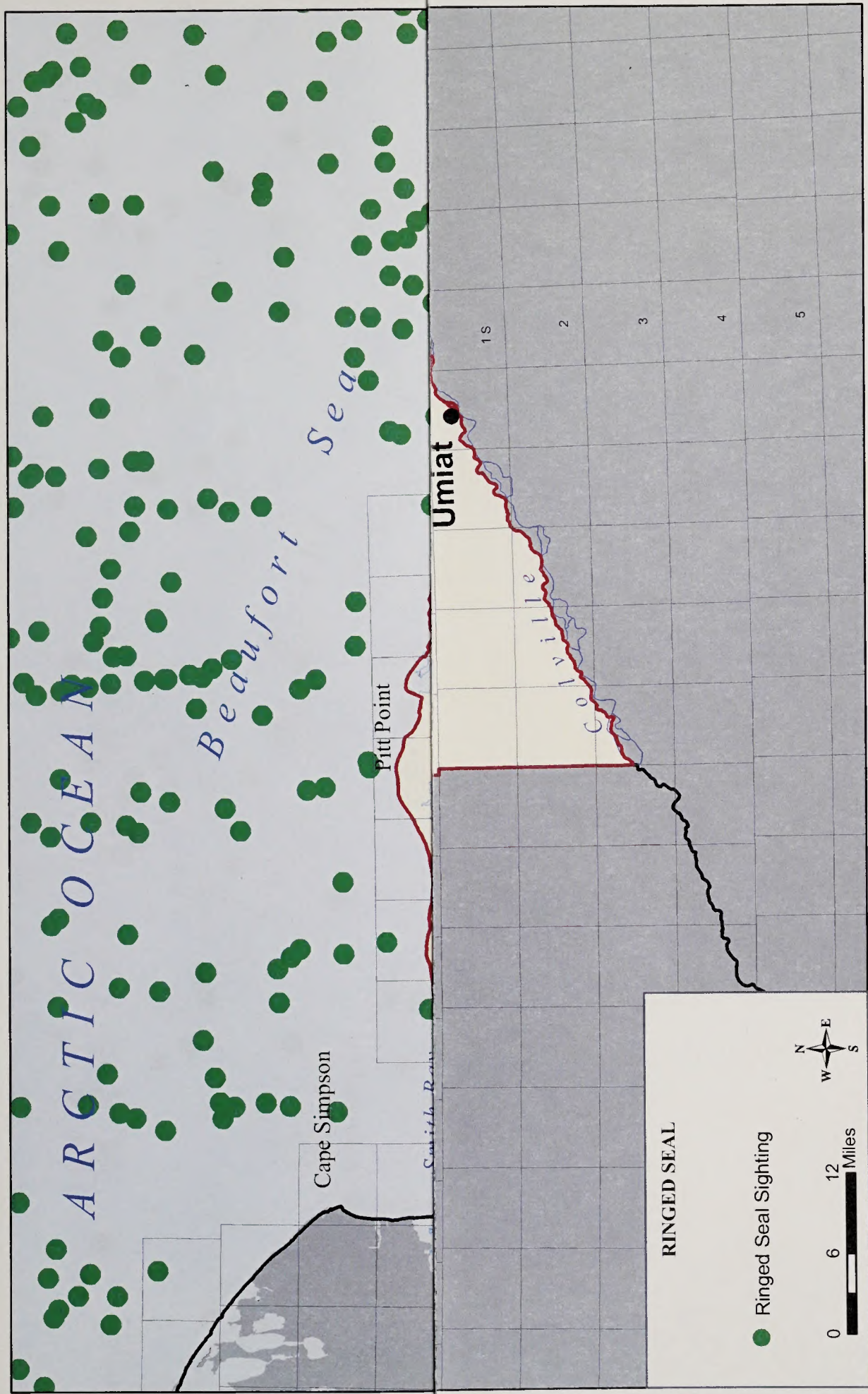
Source: USDOI BLM and MMS 1998

Map 3-26. Moose, Muskox, and Wolverine



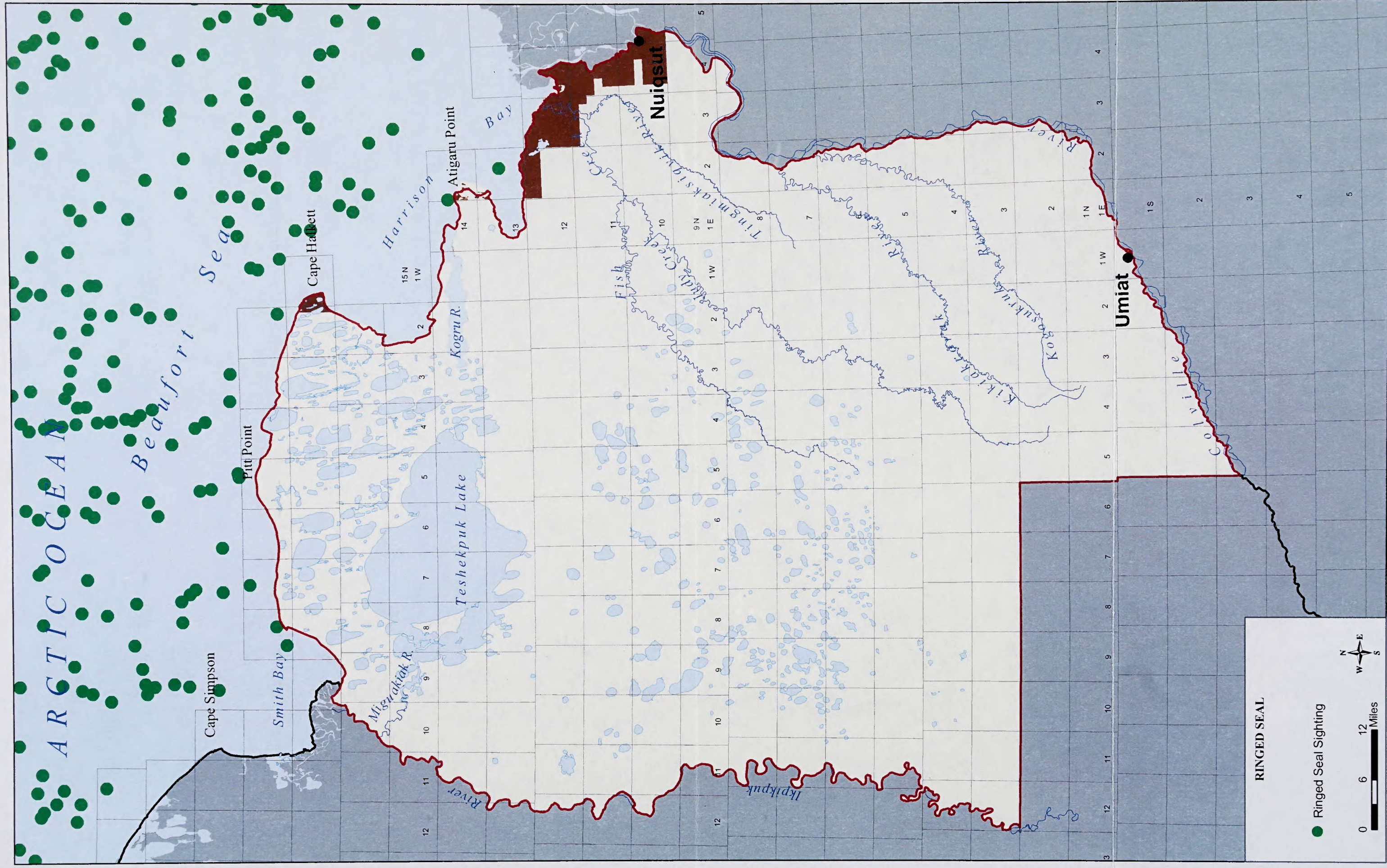
Source: USDOI BLM and MMS 1998

Map 3-26. Moose, Muskox, and Wolverine Sightings and Habitat in and near the National Petroleum Reserve-Alaska



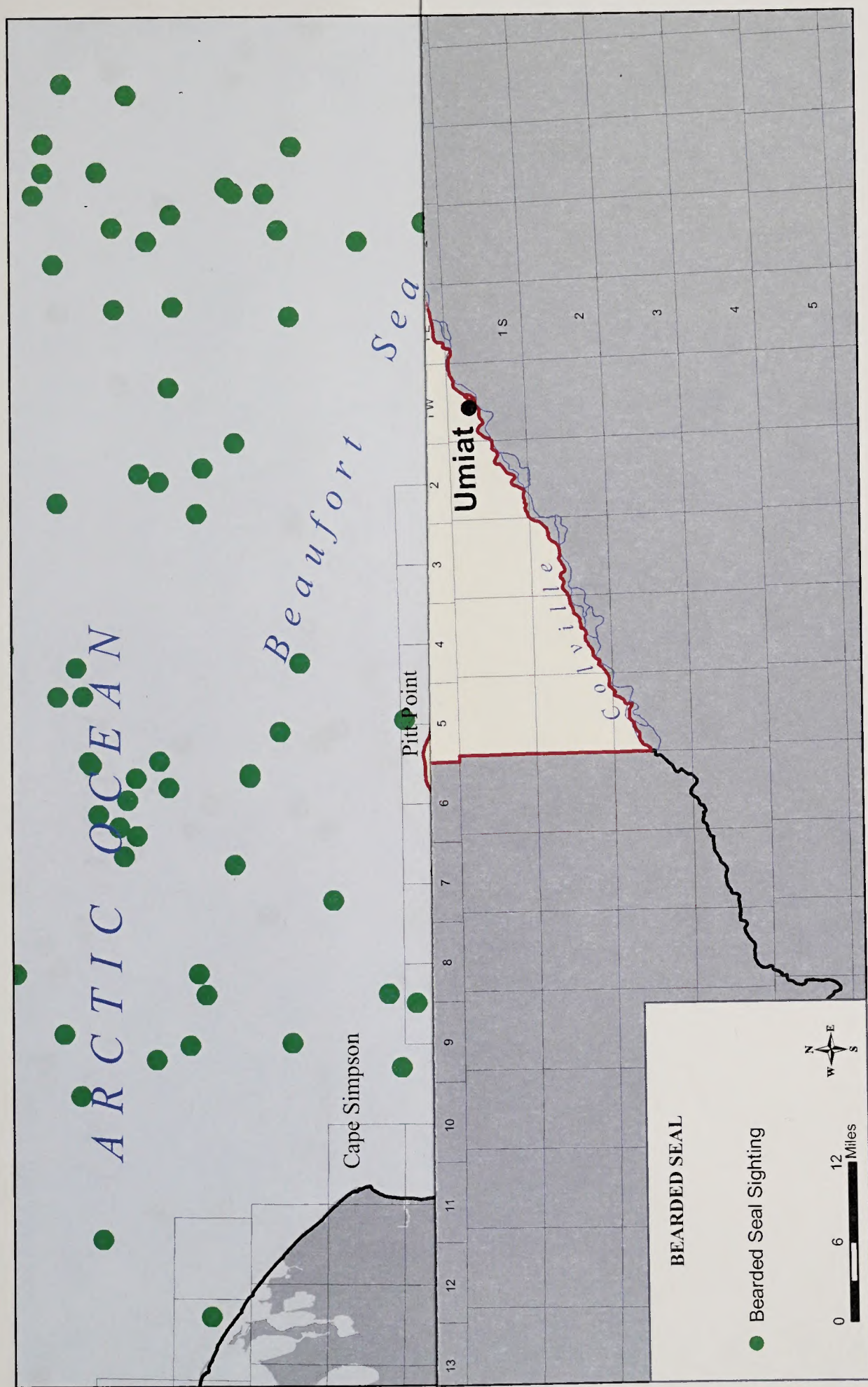
Source: USDOI MMS and Naval Ocean Systems Center 2002

Map 3-27. Ringed Seal Sightings Offshore of the Northeast National Petroleum Reserve-Alaska (1979 - 1999)



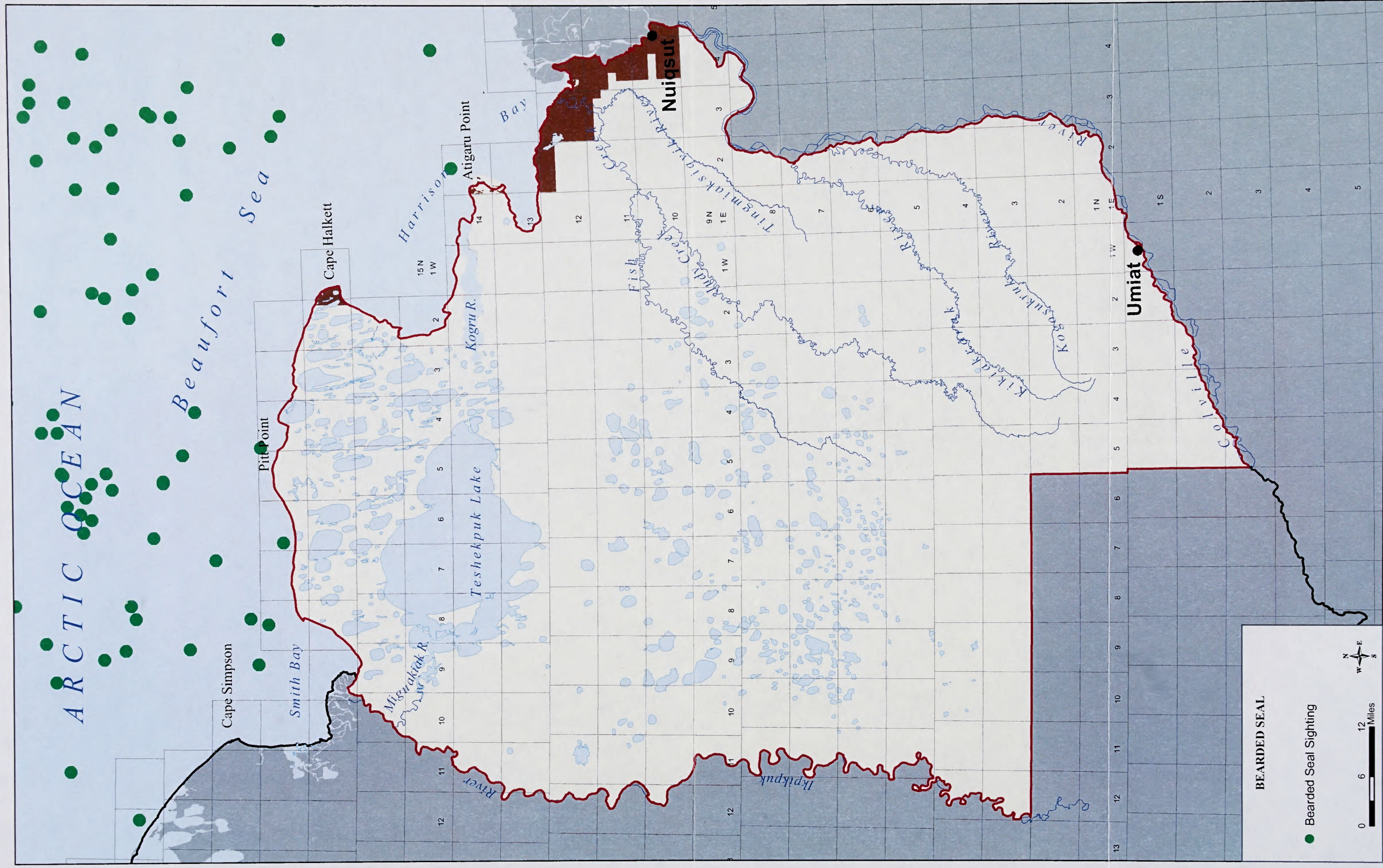
Source: USDOI MMS and Naval Ocean Systems Center 2002

Map 3-27. Ringed Seal Sightings Offshore of the Northeast National Petroleum Reserve-Alaska (1979 - 1999)



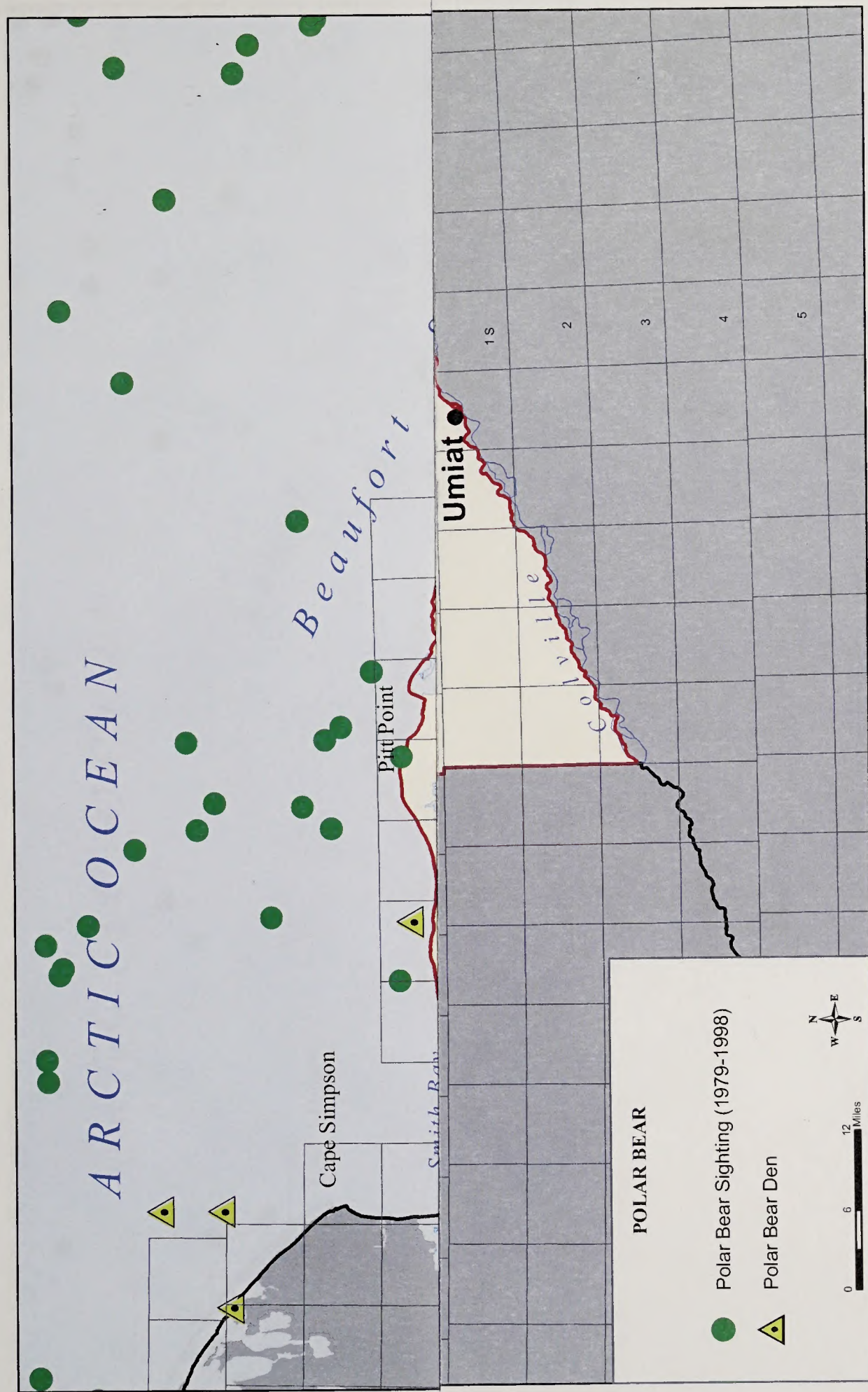
Source: USDOI MMS and Naval Ocean Systems Center, 2002

Map 3-28. Bearded Seal Sightings Offshore of the Northeast National Petroleum Reserve-Alaska (1979 - 1999)



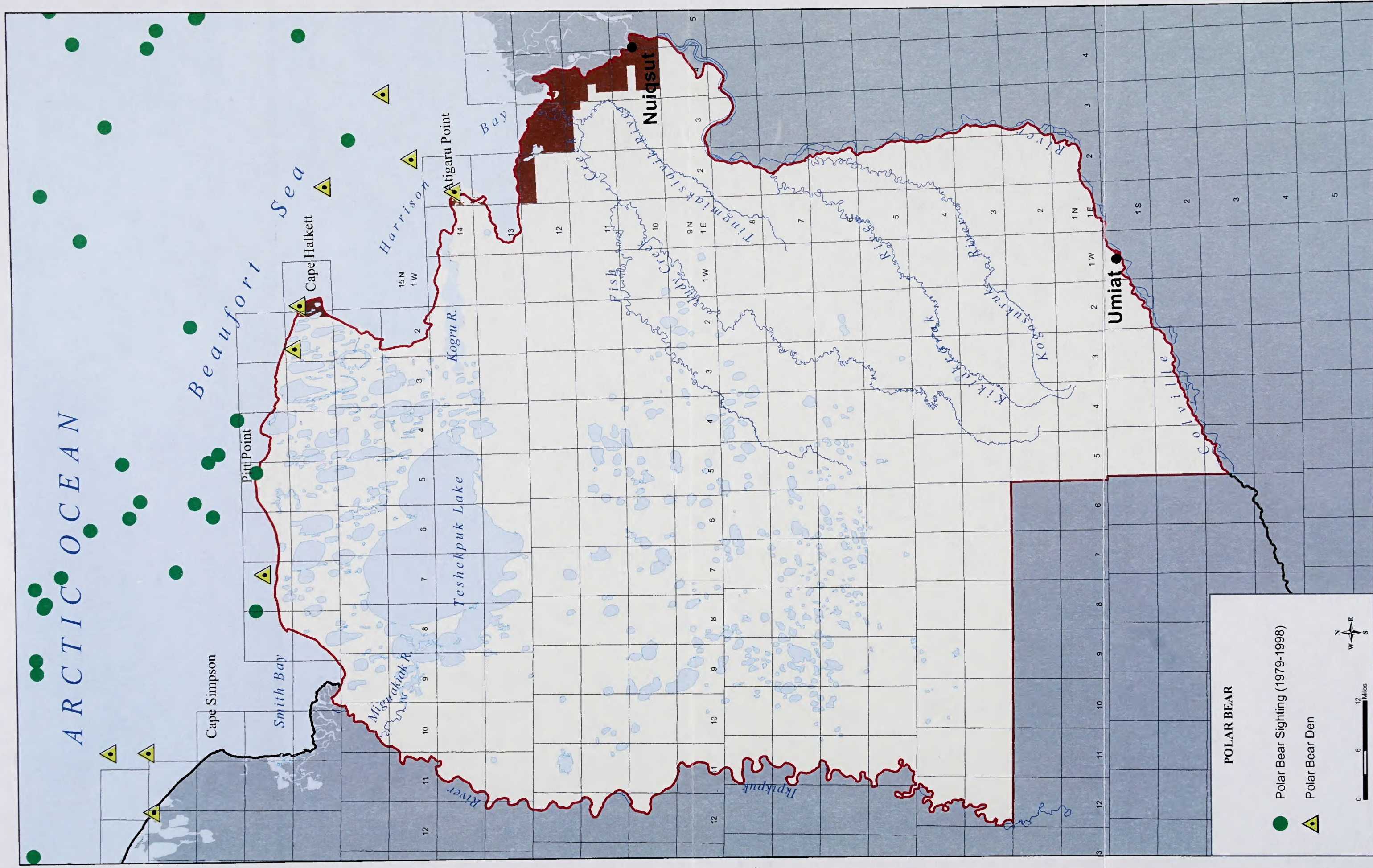
Source: USDOI MMS and Naval Ocean Systems Center, 2002

Map 3-28. Bearded Seal Sightings Offshore of the Northeast National Petroleum Reserve-Alaska (1979 - 1999)



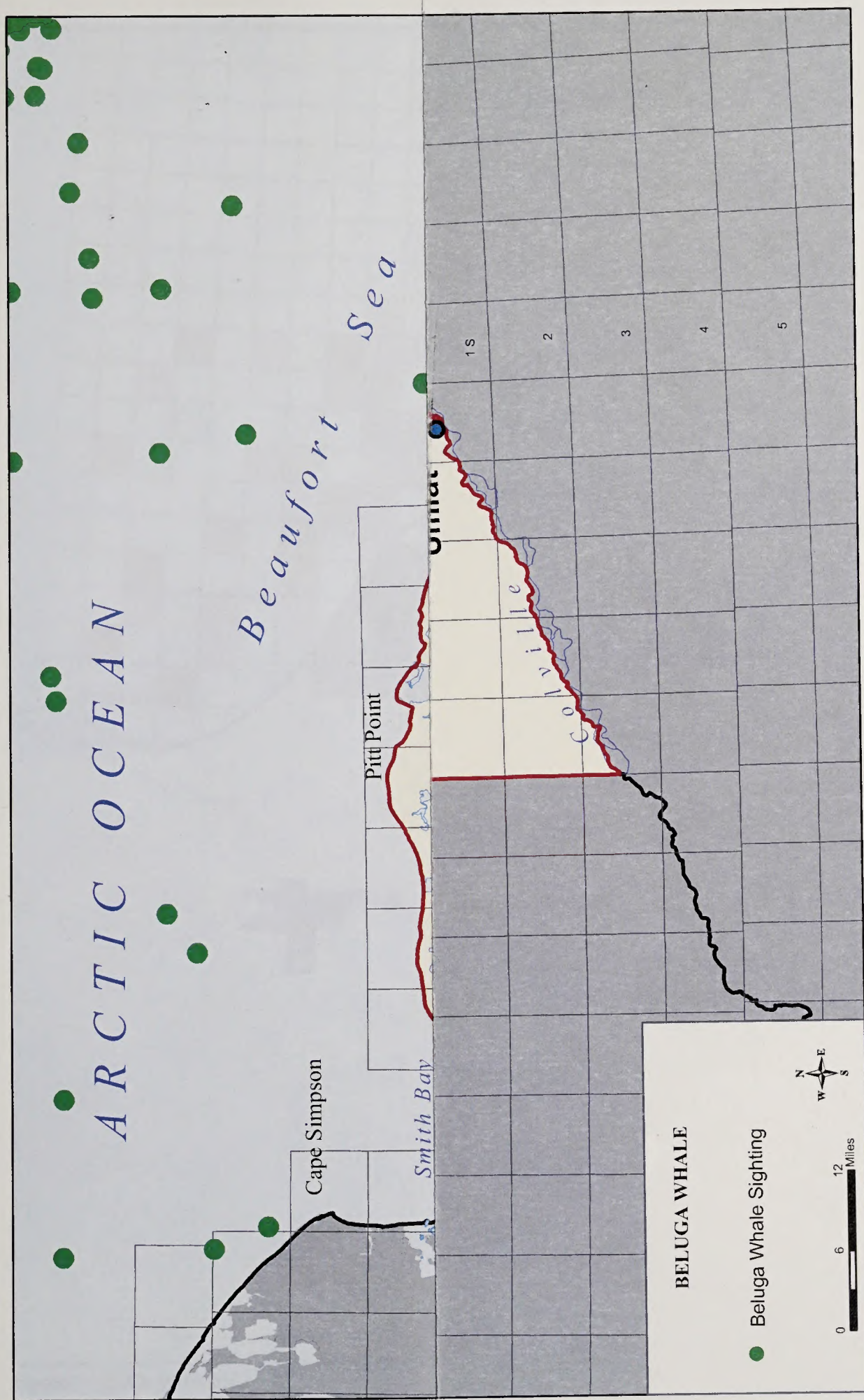
Source: USDOI MMS and Naval Ocean System Center 2002

Map 3-29. Polar Bear Den Sites and Sightings in and near the Northeast National Petroleum Reserve-Alaska



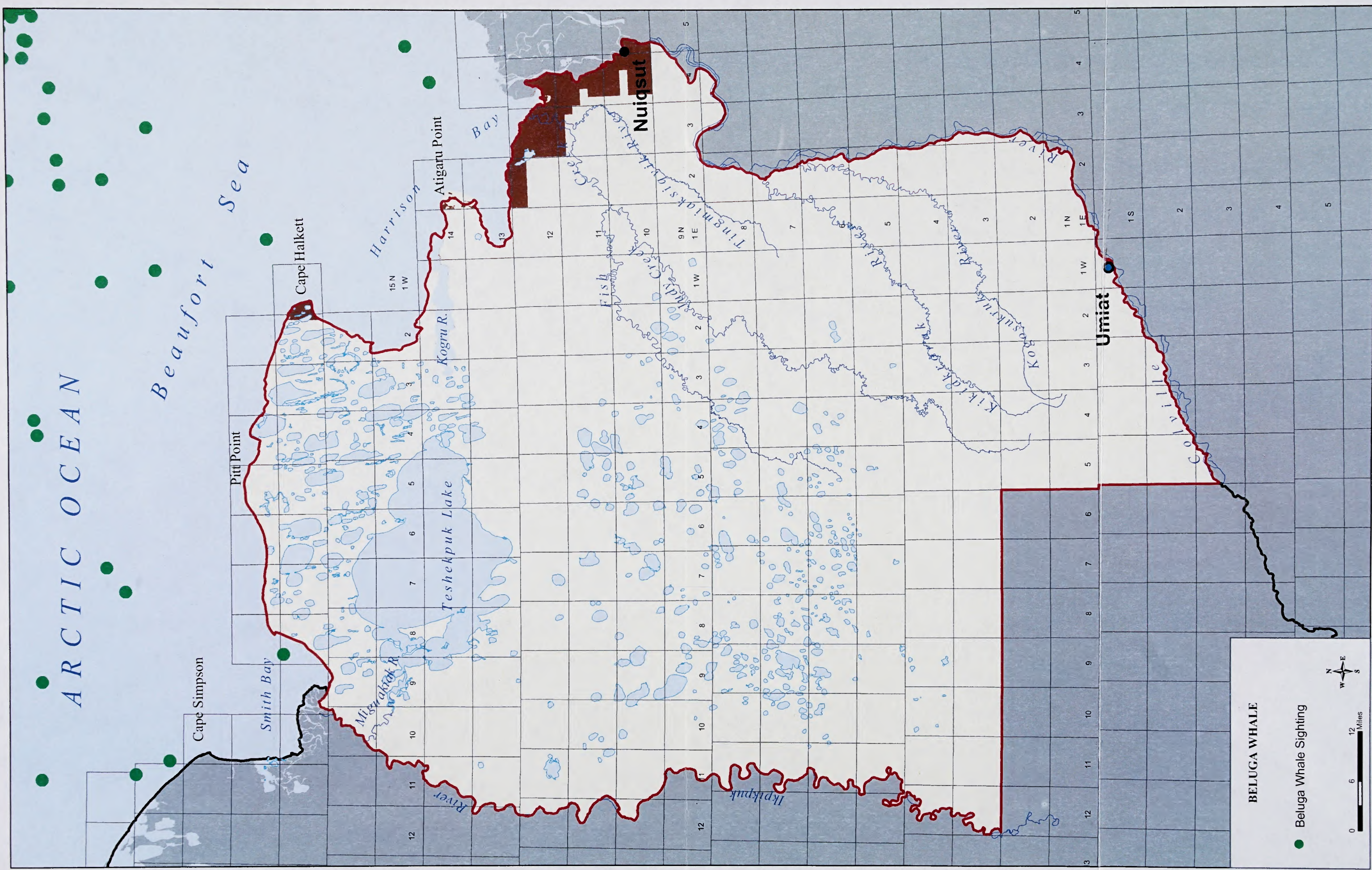
Source: USDOI MMS and Naval Ocean System Center 2002

Map 3-29. Polar Bear Den Sites and Sightings in and near the Northeast National Petroleum Reserve-Alaska



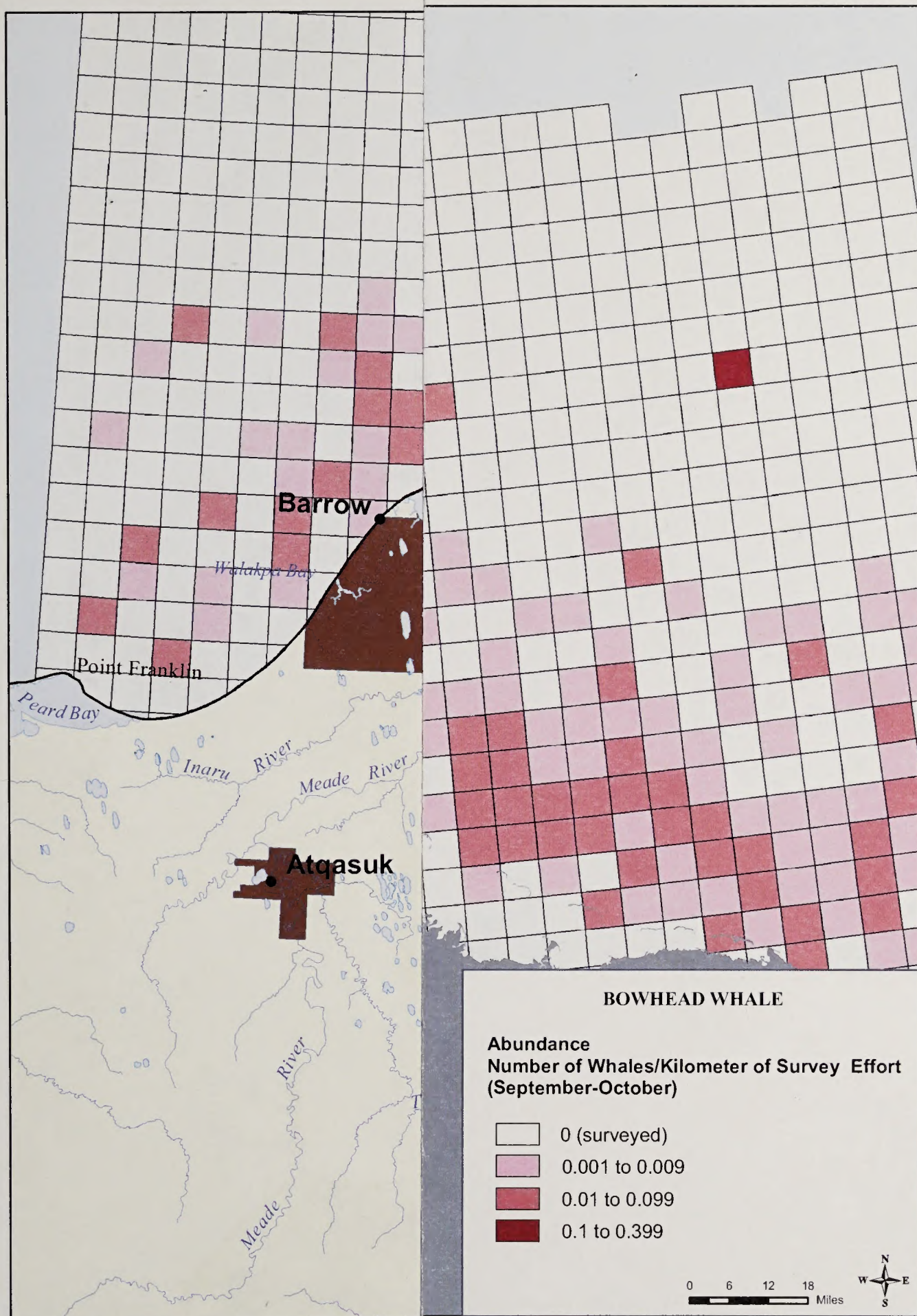
Source: USDOl MMS and Naval Ocean Systems Center 2002

Map 3-30. Beluga Whale Sightings Offshore of the Northeast National Petroleum Reserve-Alaska (1987 - 1999)



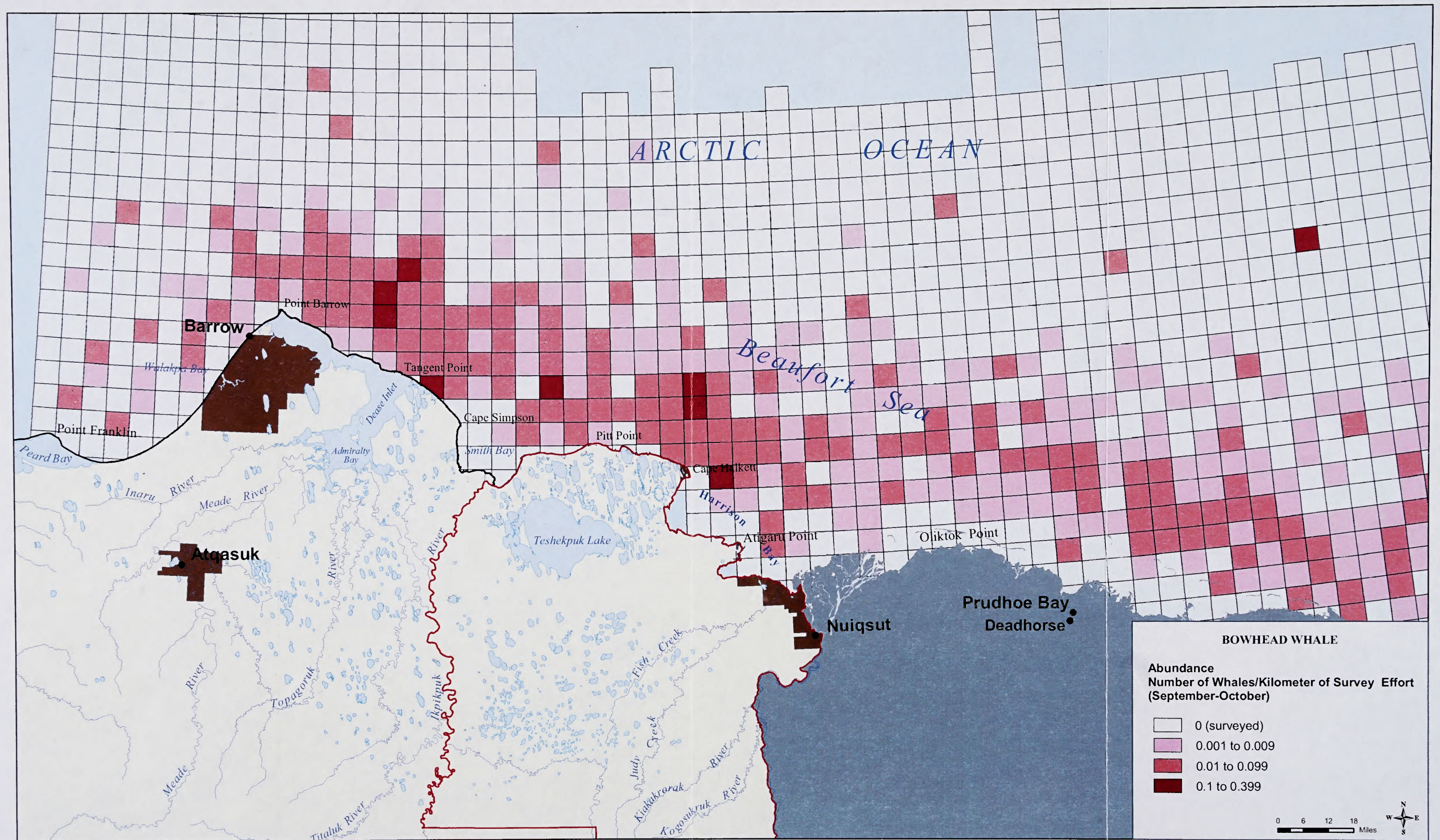
Source: USDOI MMS and Naval Ocean Systems Center 2002

Map 3-30. Beluga Whale Sightings Offshore of the Northeast National Petroleum Reserve-Alaska (1987 - 1999)



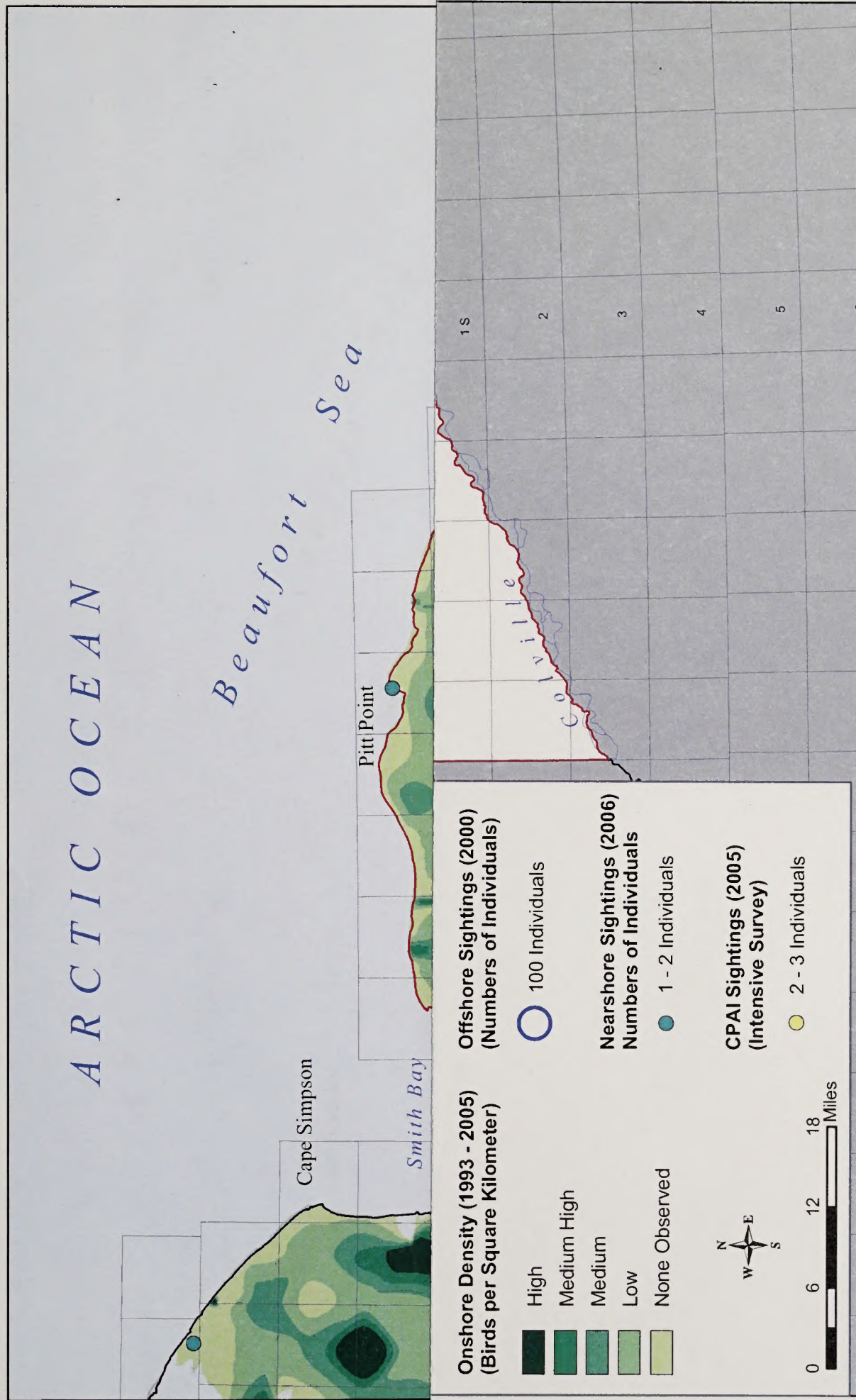
Source: USDOI MMS 2002

Map 3-31. Bowhead Whale Density



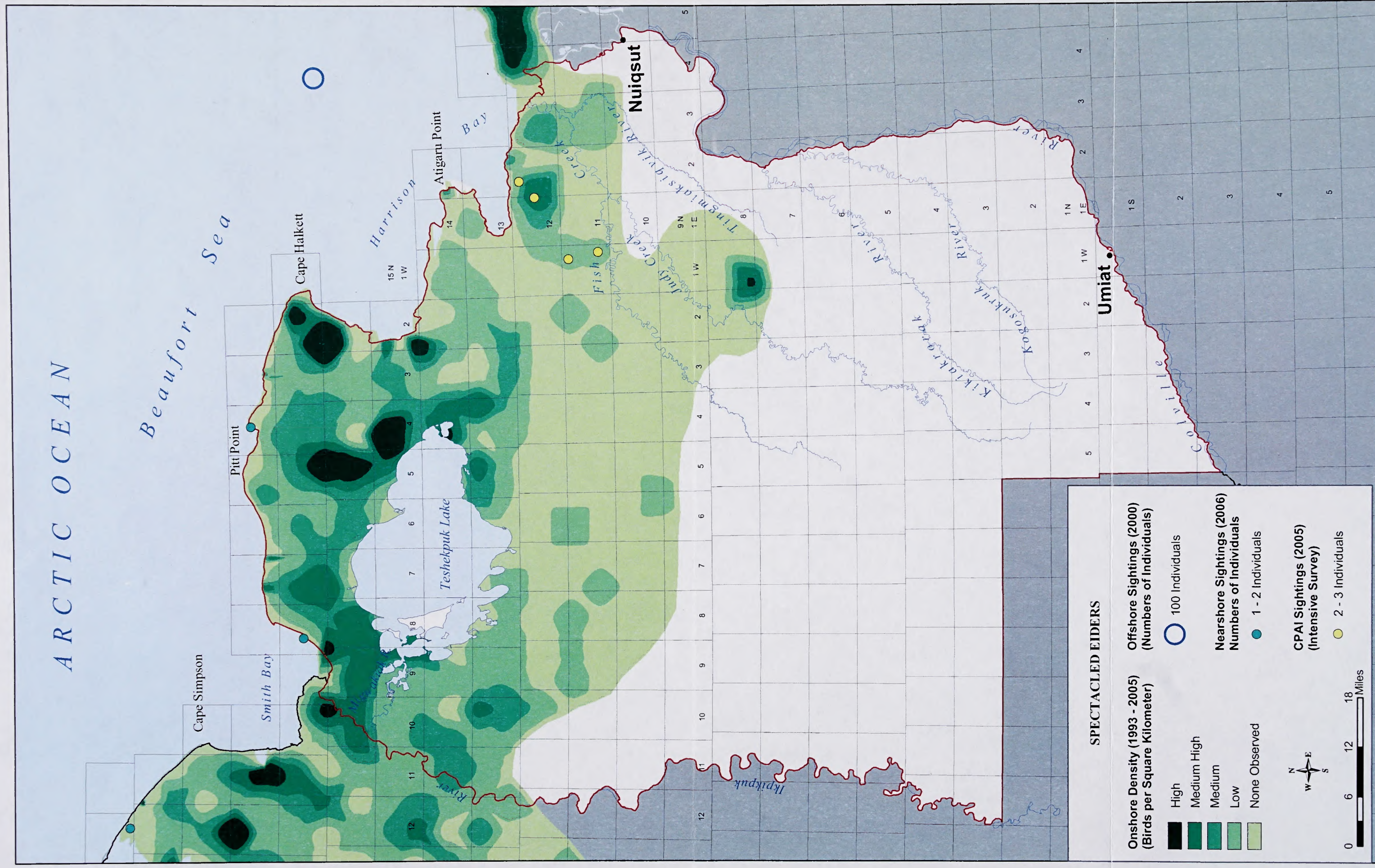
Source: USDOI MMS 2002

Map 3-31. Bowhead Whale Density Offshore and Nearshore in the National Petroleum Reserve-Alaska



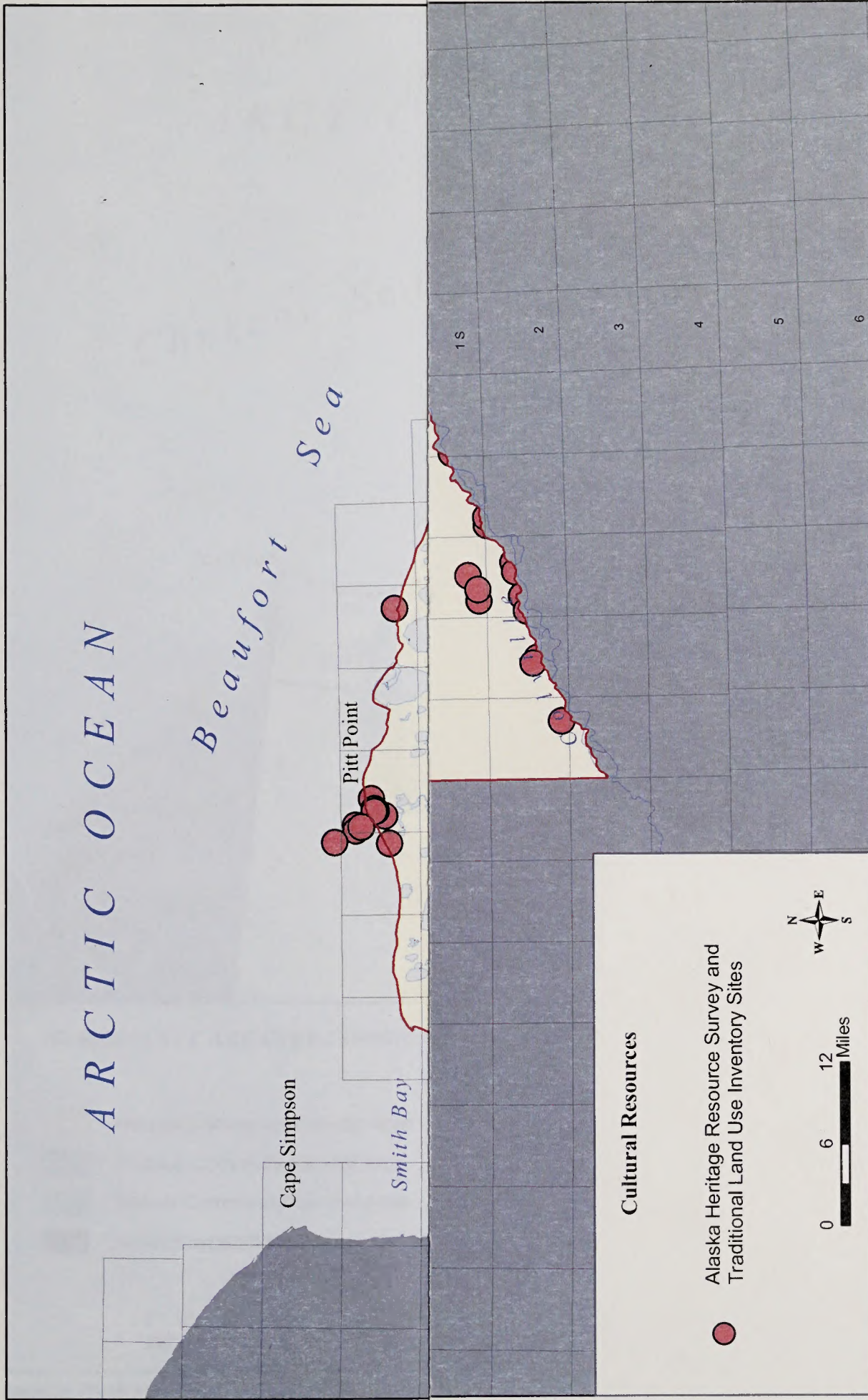
Source: Onshore Density Data, Nearshore Data, and Offshore Data: USFWS Migratory Bird Management, Anchorage, AK; CPAI (ConocoPhillips Alaska, Inc.), Anchorage, AK

Map 3-32. Onshore Density and Locations of Spectacled Eiders in the Northeast National Petroleum Reserve-Alaska; and Nearshore and Offshore Beaufort Sea Distribution



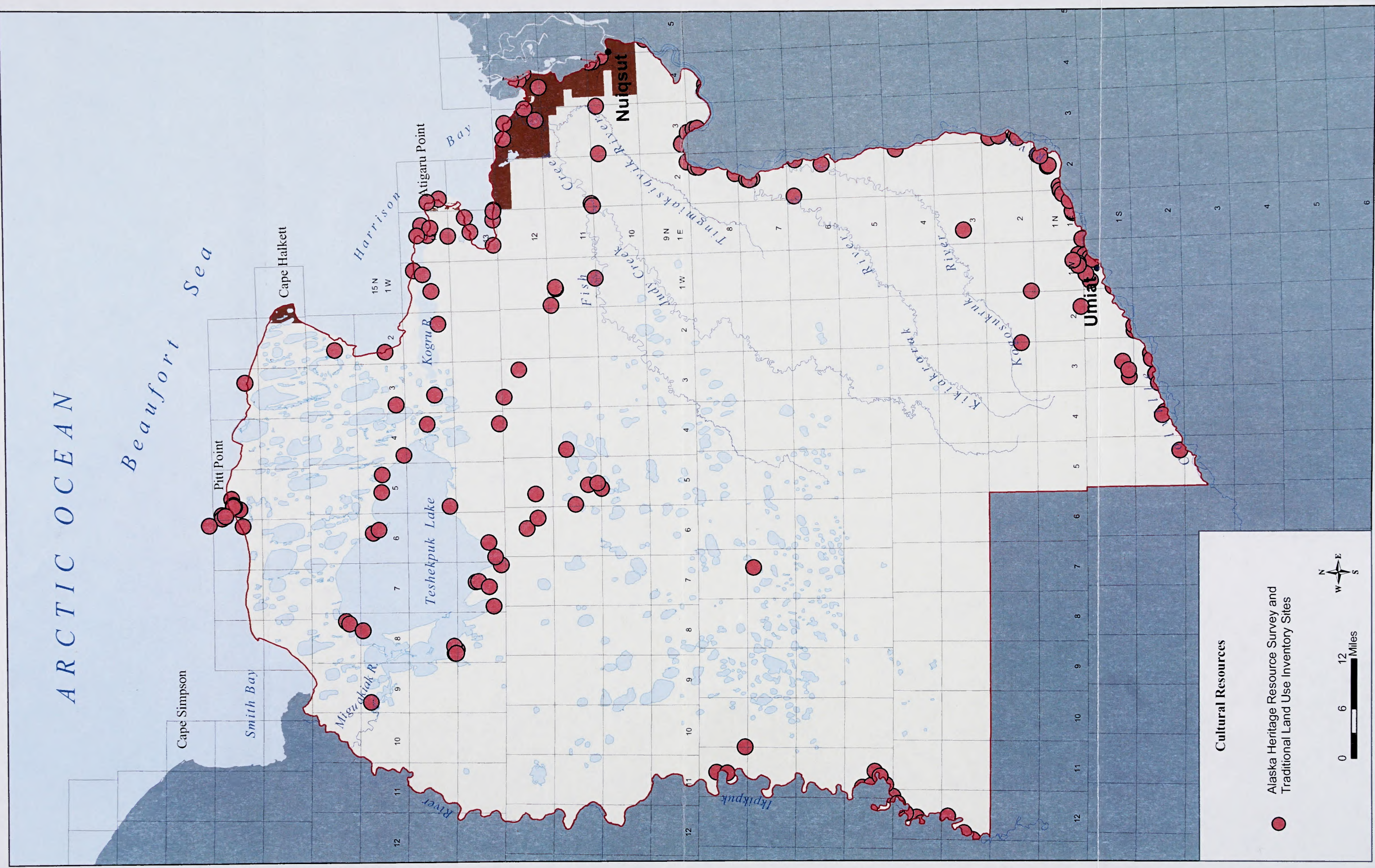
Source: Onshore Density Data, Nearshore Data, and Offshore Data: USFWS Migratory Bird Management, Anchorage, AK; CPAI (ConocoPhillips Alaska, Inc.), Anchorage, AK

Map 3-32. Onshore Density and Locations of Spectacled Eiders in the Northeast National Petroleum Reserve-Alaska; and Nearshore and Offshore Beaufort Sea Distribution



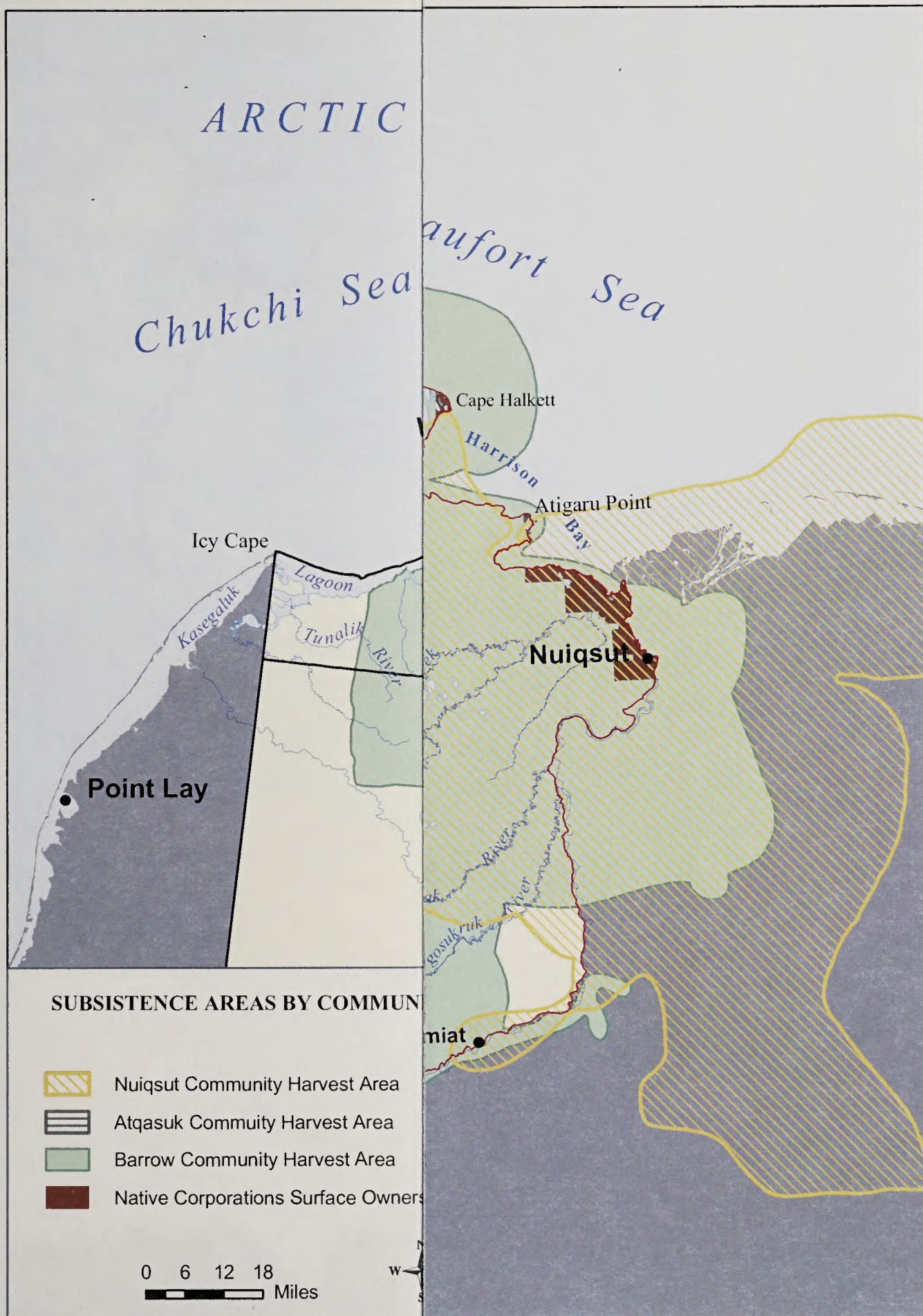
Source: ADHR, OHA 2003; NSB, 2003

Map 3-34. Cultural Resources in the Northeast National Petroleum Reserve-Alaska



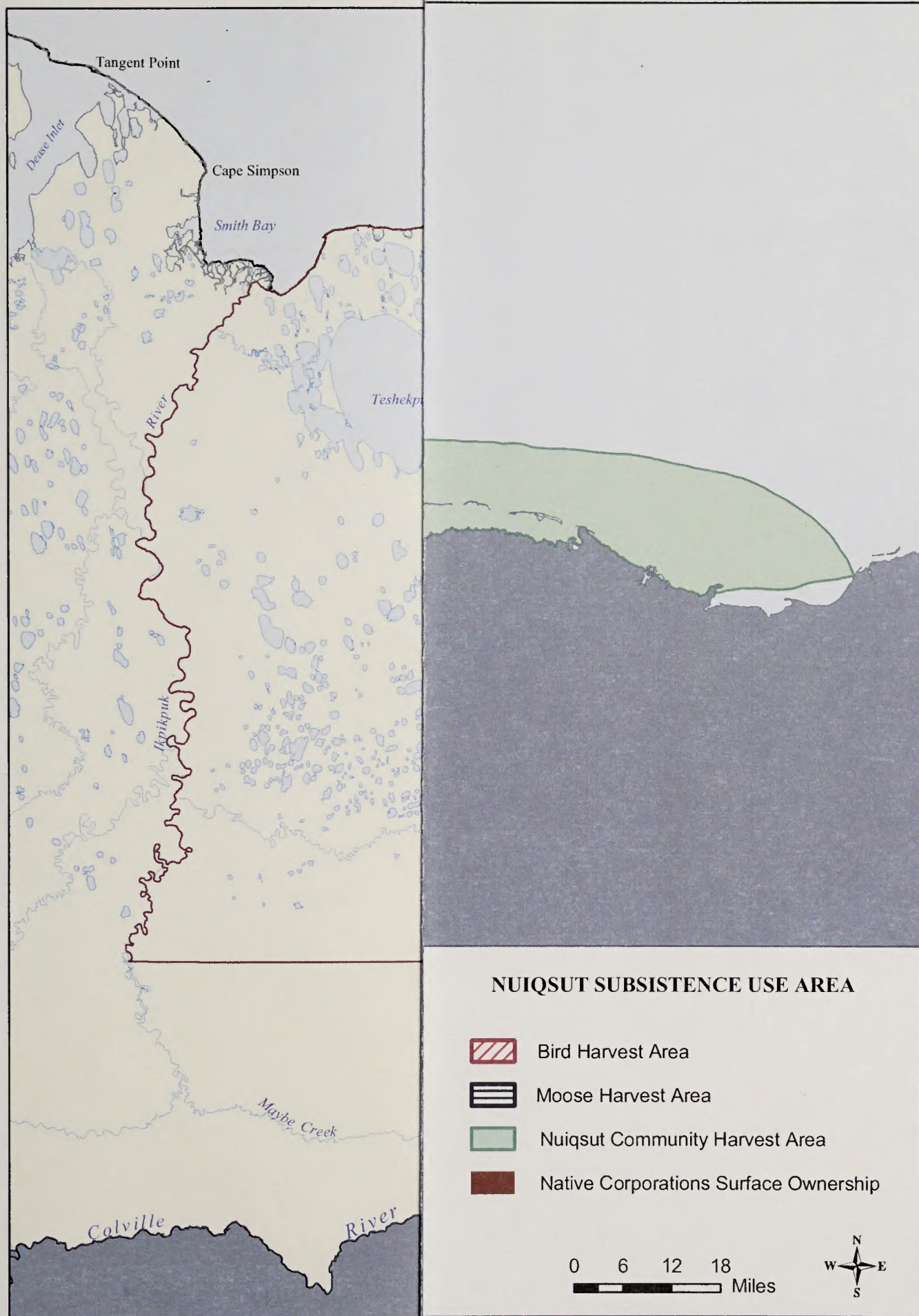
Source: ADHR, OHA 2003; NSB, 2003

Map 3-34. Cultural Resources in the Northeast National Petroleum Reserve-Alaska

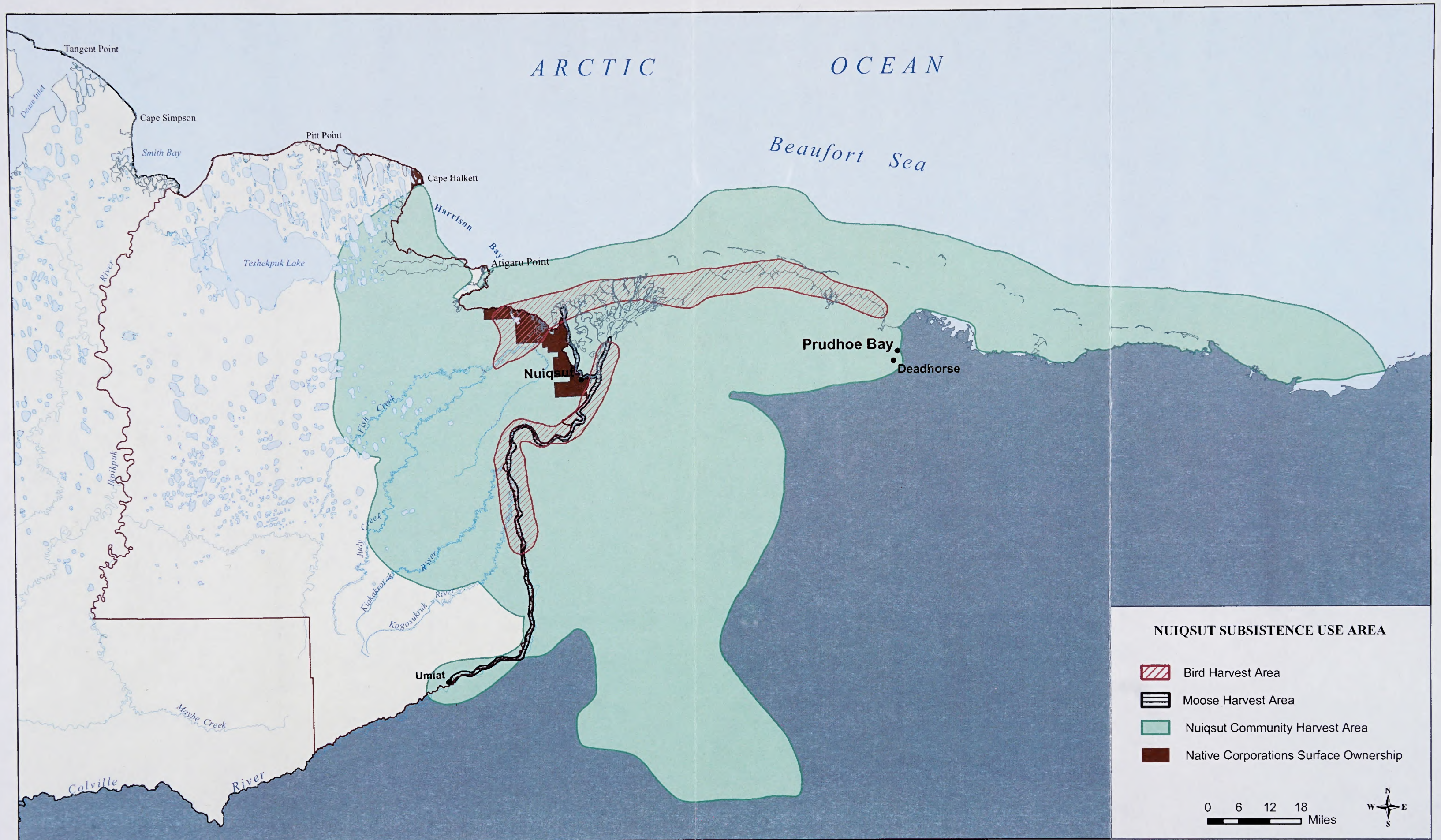


Source: Pedersen 1979; Hoffman, Libbey, and S

Map 3-35. Barrow, Atqasuk, and N

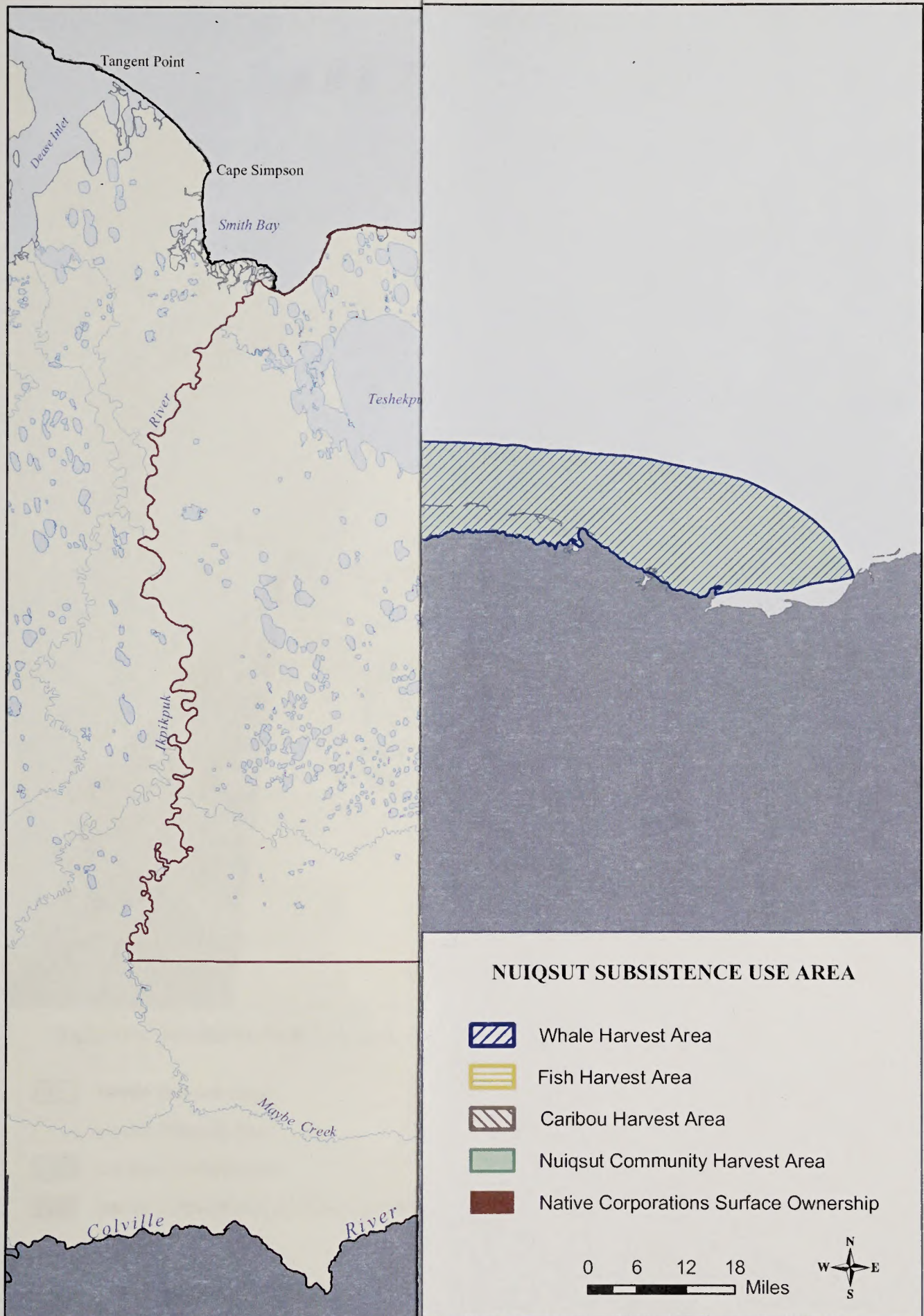


Source: Pedersen 1979; Hoffman, Libbey, and
Map 3-36. Nuisut Subsistence Us



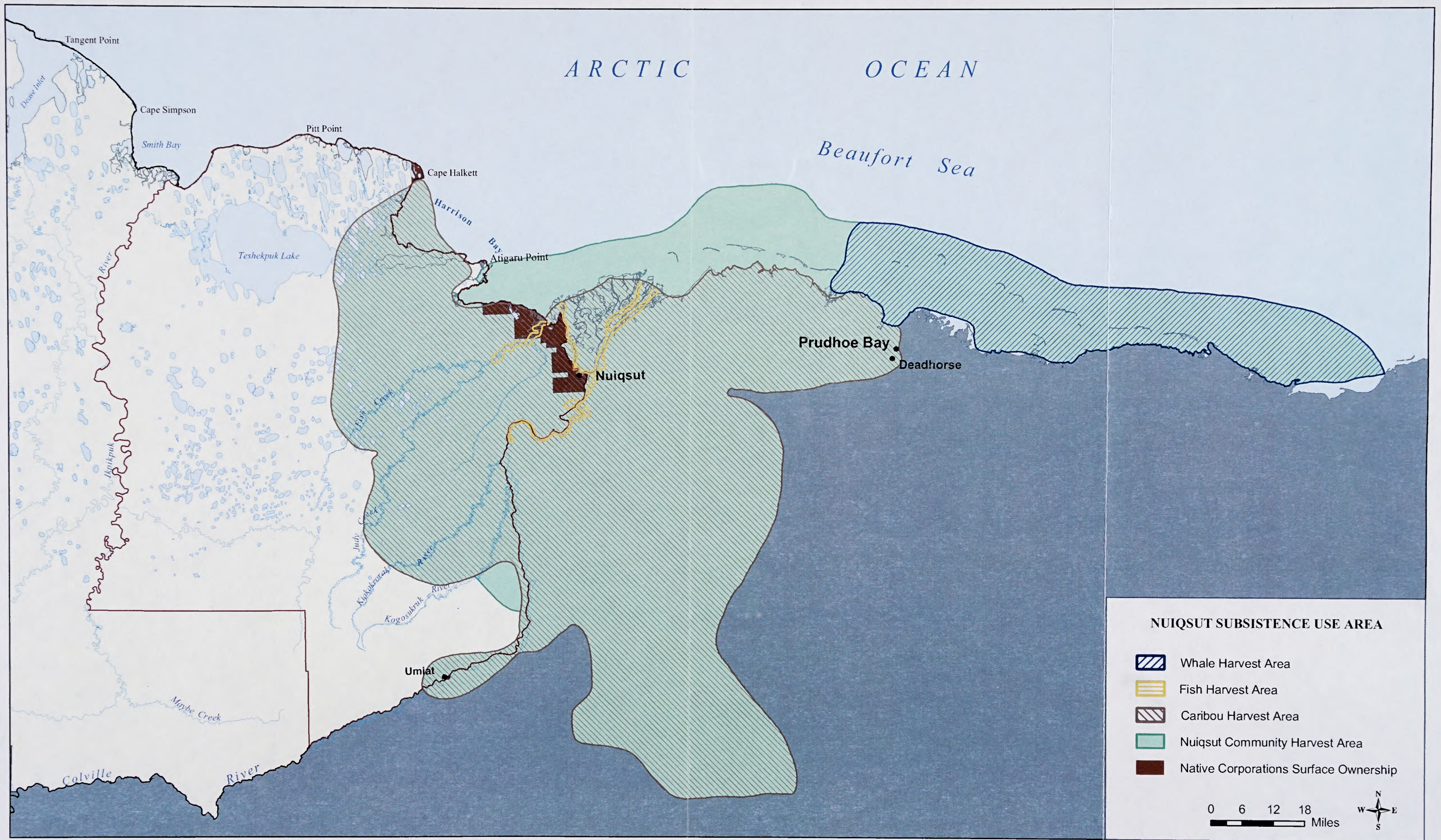
Source: Pedersen 1979; Hoffman, Libbey, and Spearman 1988

Map 3-36. Nuisut Subsistence Use Areas for Moose and Birds in the National Petroleum Reserve-Alaska



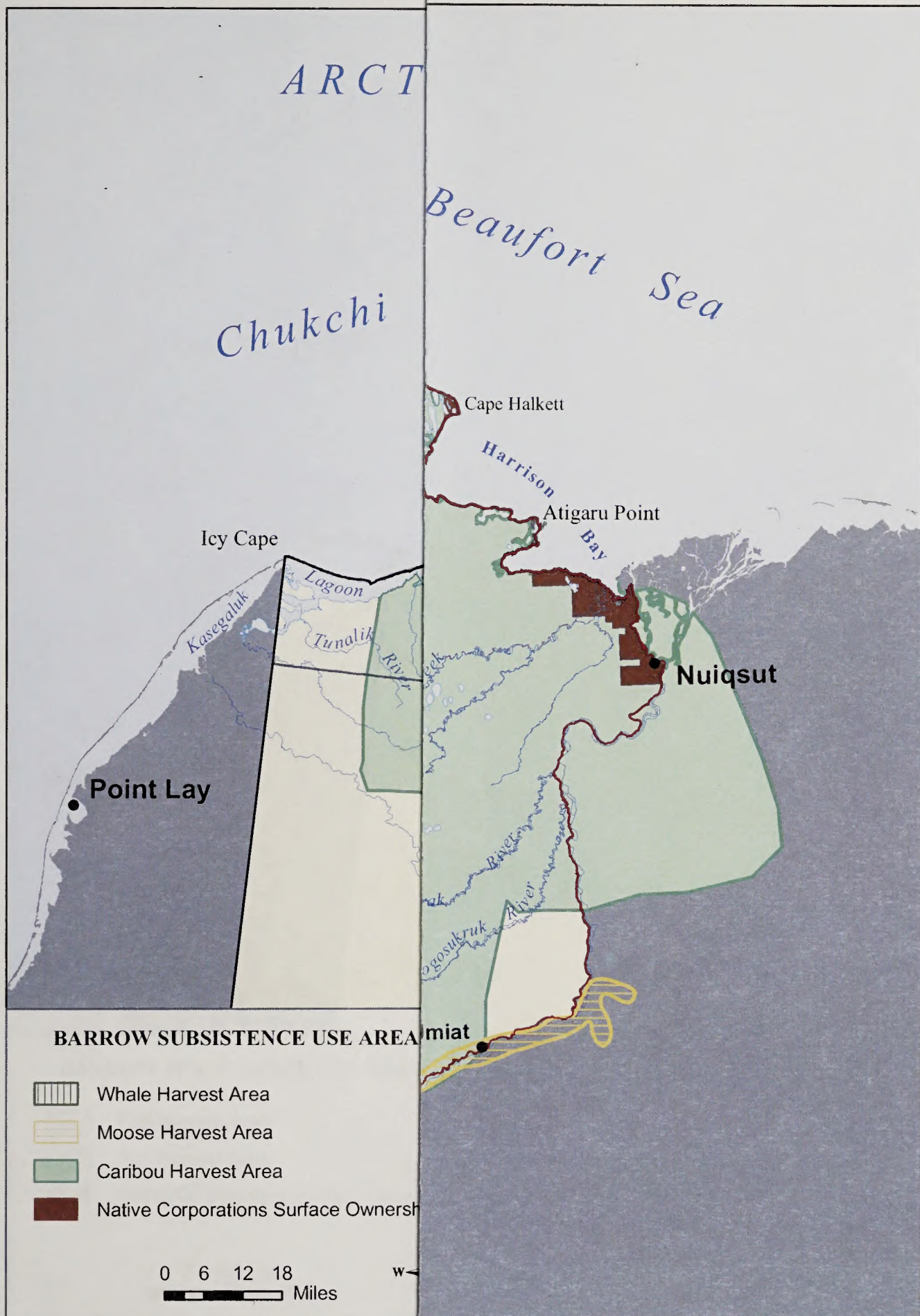
Source: Pedersen 1979; Hoffman, Libbey, and S

Map 3-37. Nuisut Subsistence Us



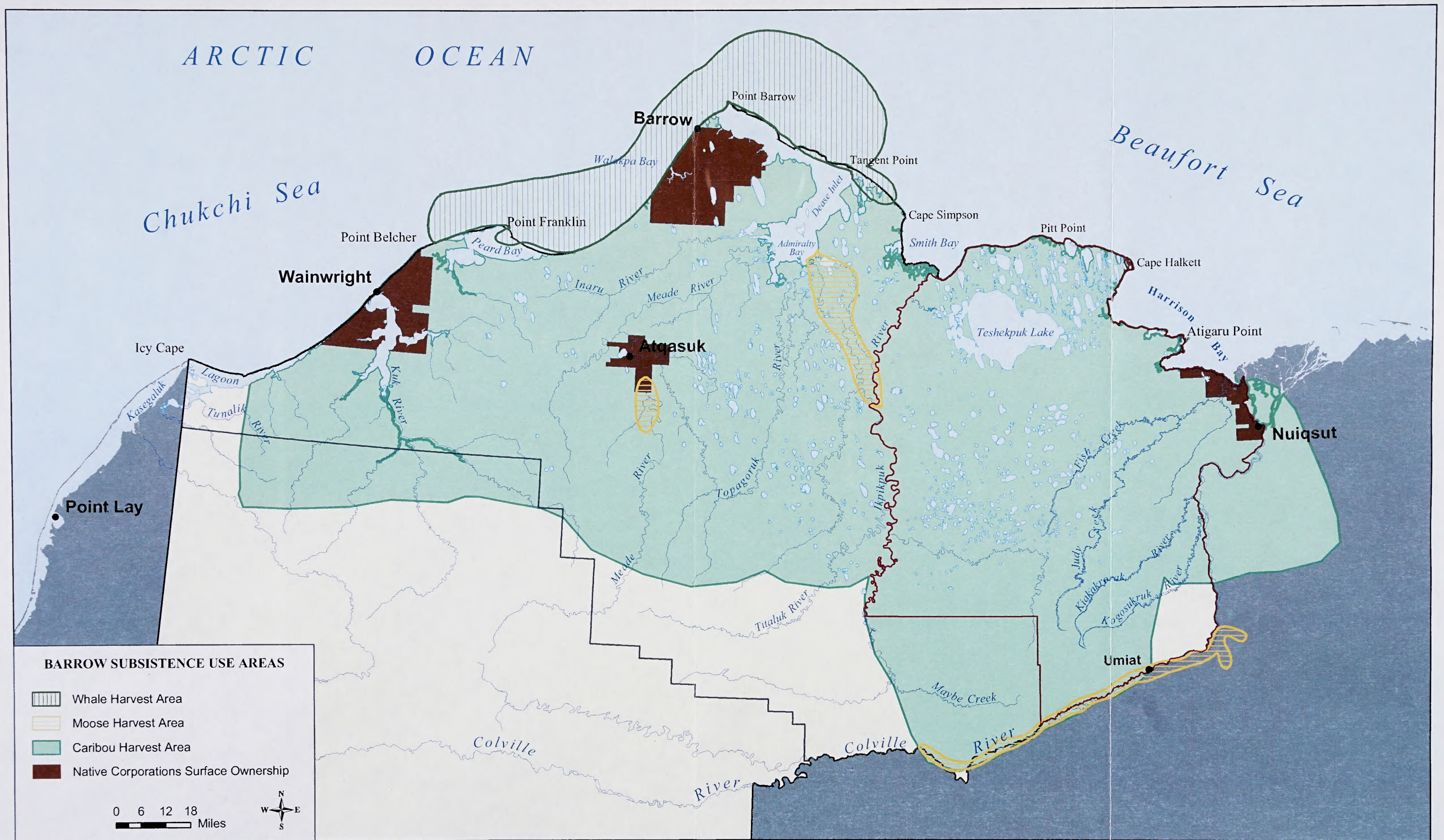
Source: Pedersen 1979; Hoffman, Libbey, and Spearman 1988

Map 3-37. Nuisut Subsistence Use Areas for Caribou, Fish, and Whales in the National Petroleum Reserve-Alaska



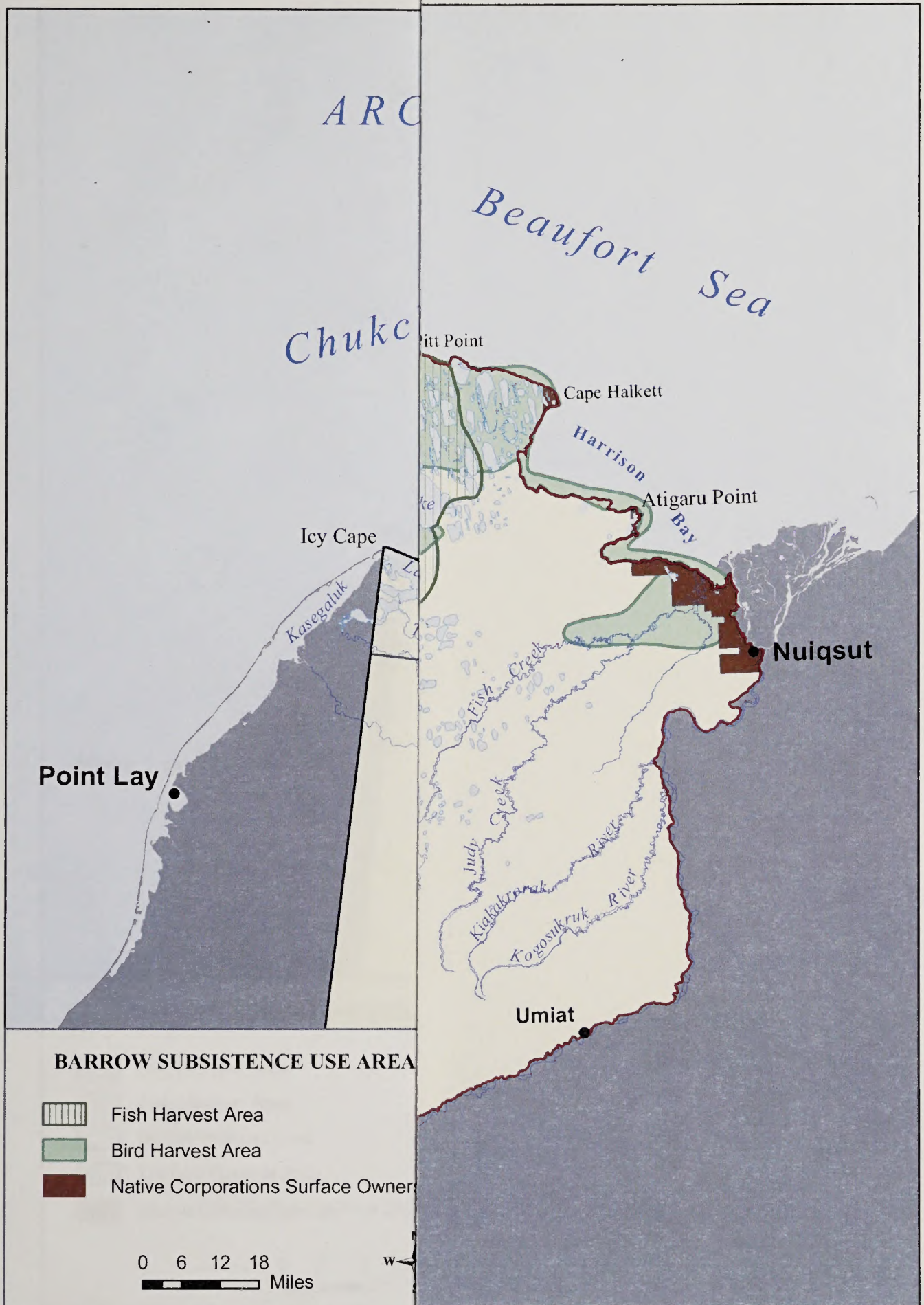
Source: Pedersen 1979 and SRBA, 1989a

Map 3-38. Barrow Subsistence Use



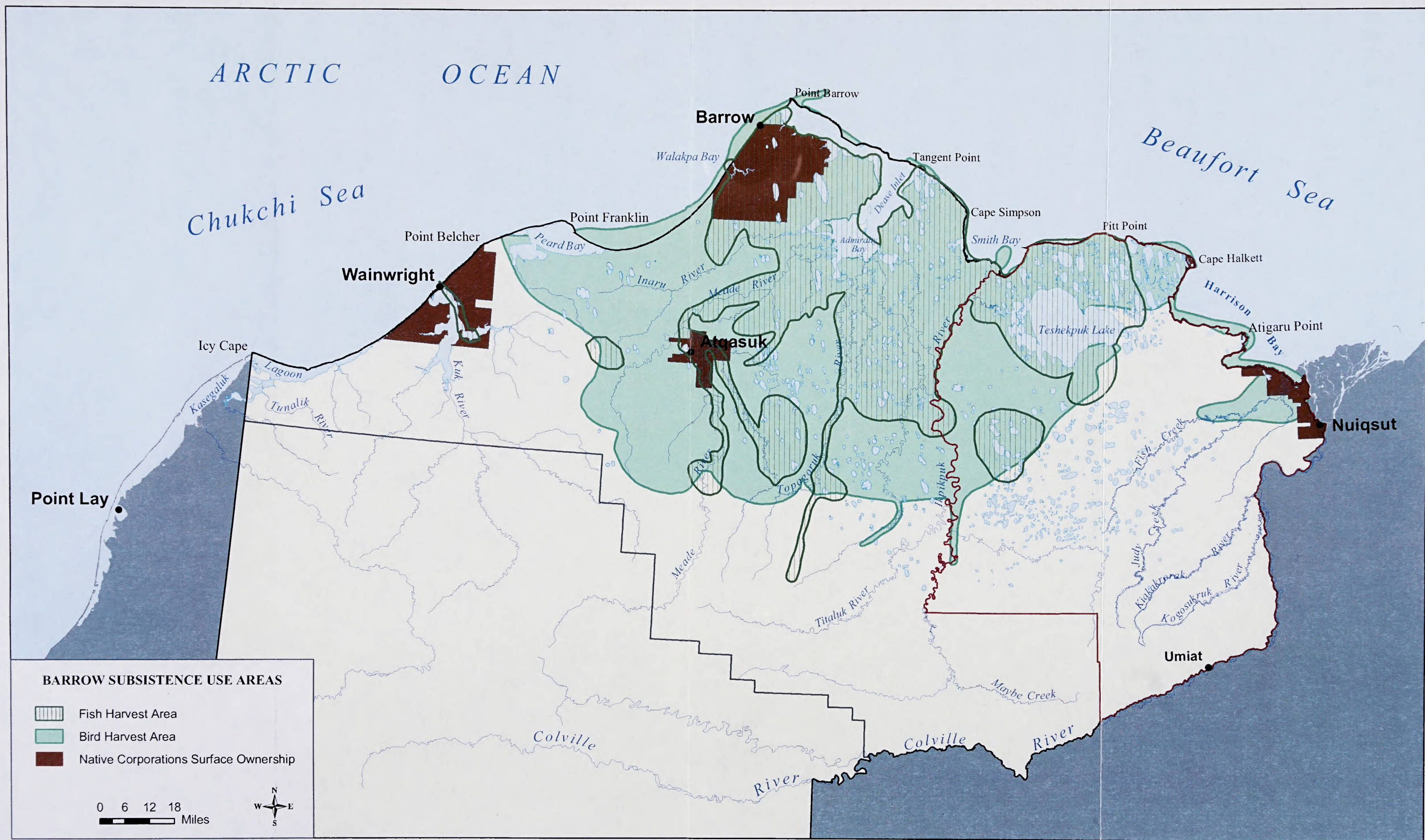
Source: Pedersen 1979 and SRBA, 1989a

Map 3-38. Barrow Subsistence Use Areas for Whale, Moose, and Caribou in the National Petroleum Reserve-Alaska



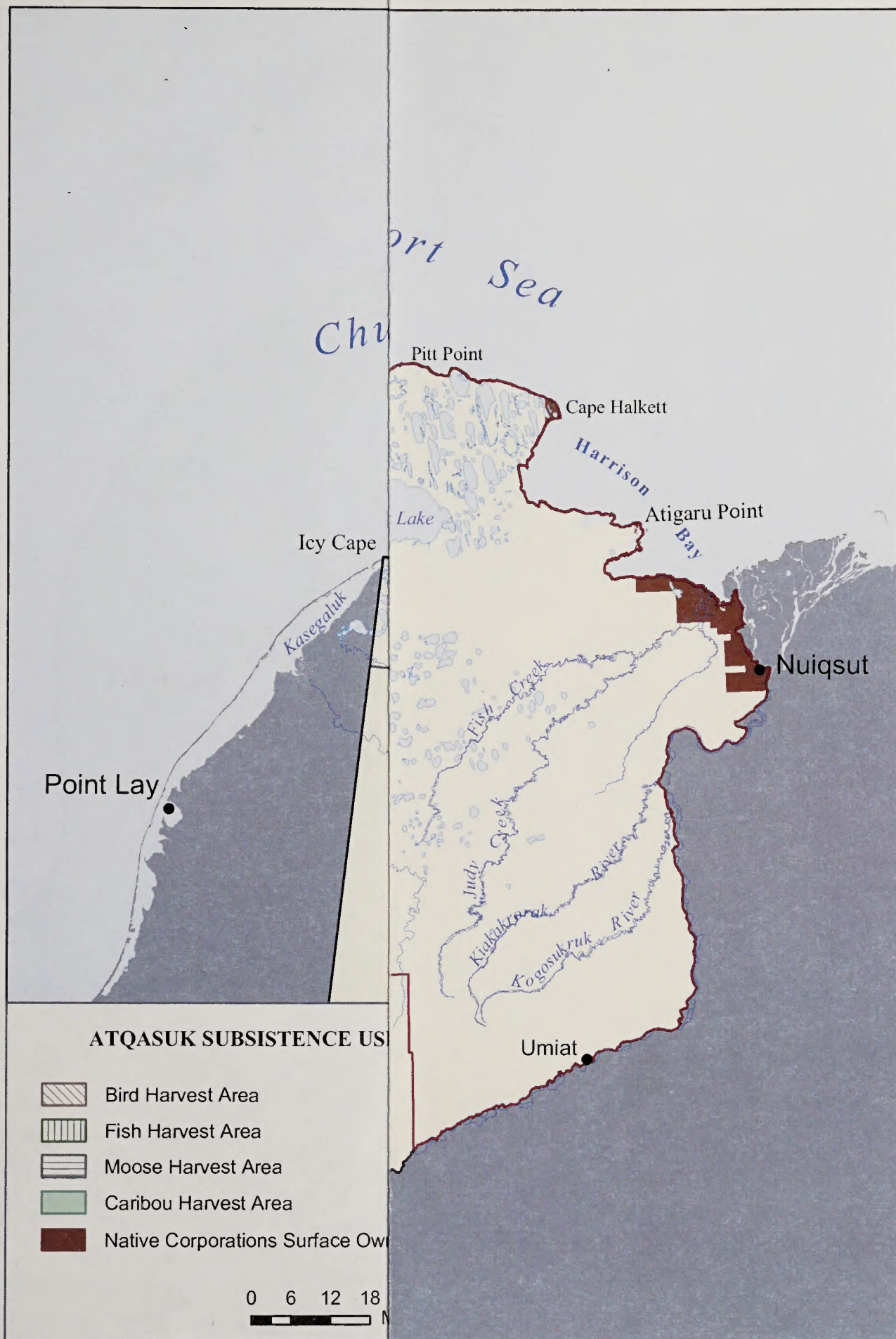
Source: Pedersen 1979; SRBA 1989a

Map 3-39. Barrow Subsistence Use



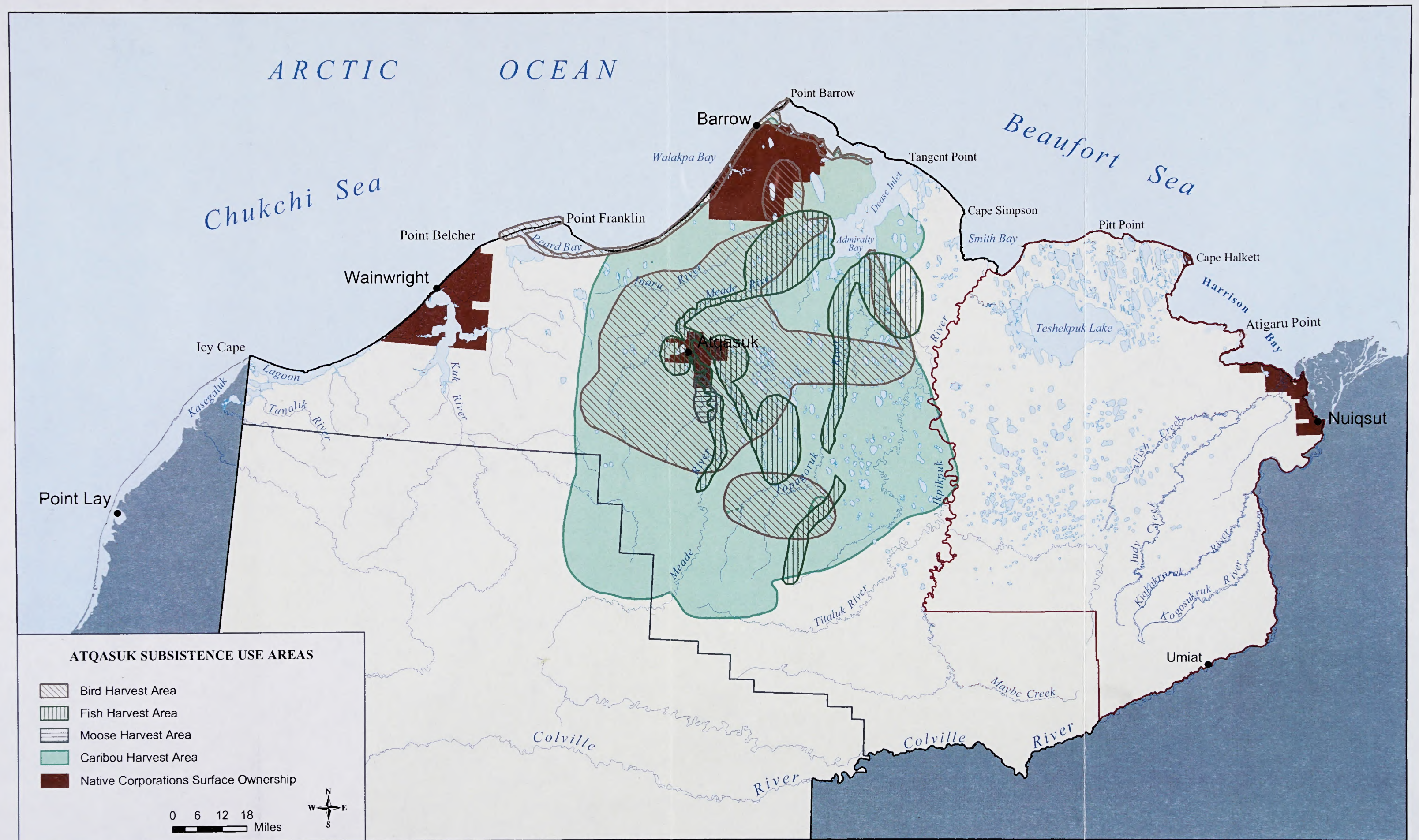
Source: Pedersen 1979; SRBA 1989a

Map 3-39. Barrow Subsistence Use Areas for Fish and Birds in the National Petroleum Reserve-Alaska

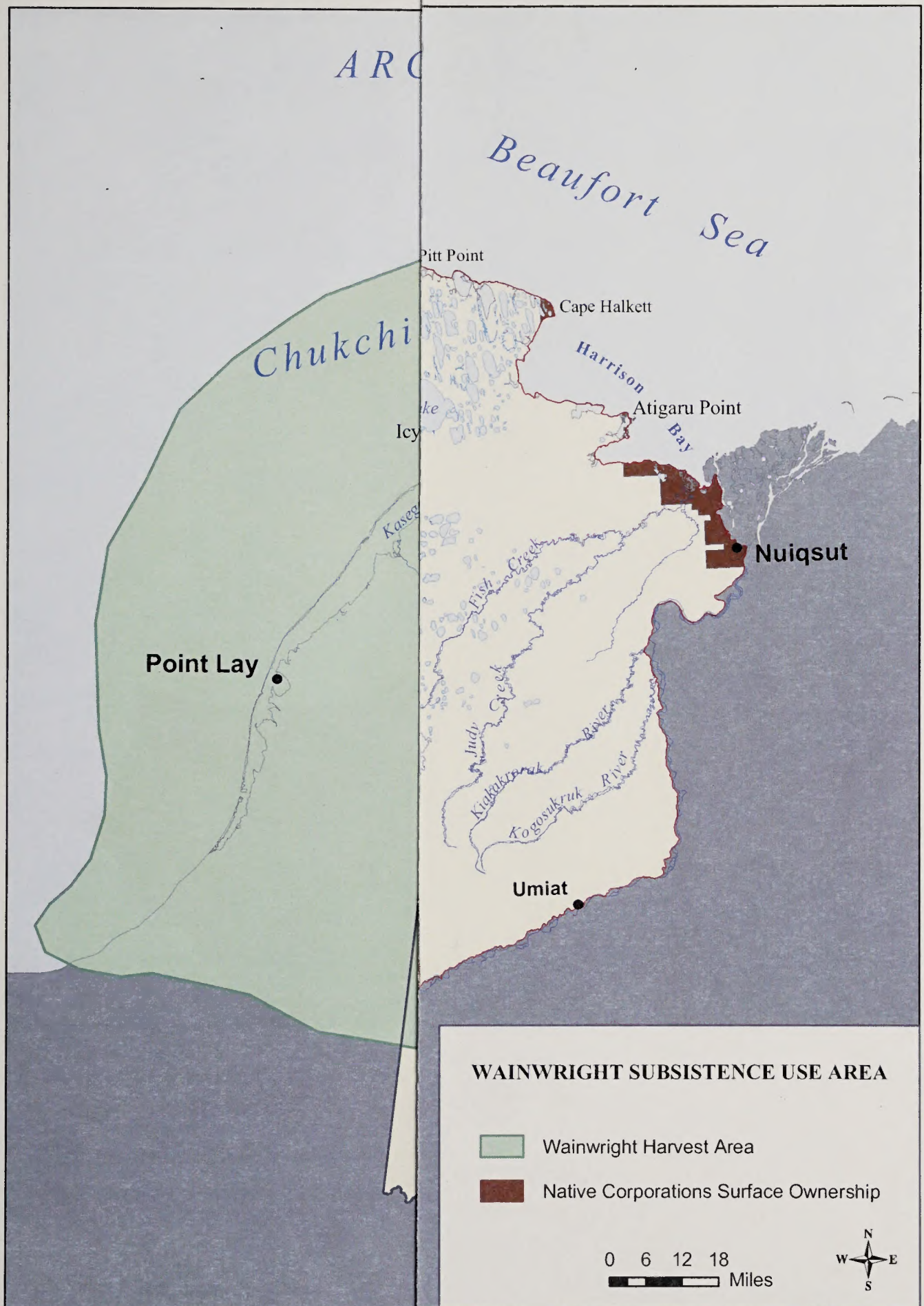


Source: Pederson 1979

Map3-40. Atqasuk Subsistence

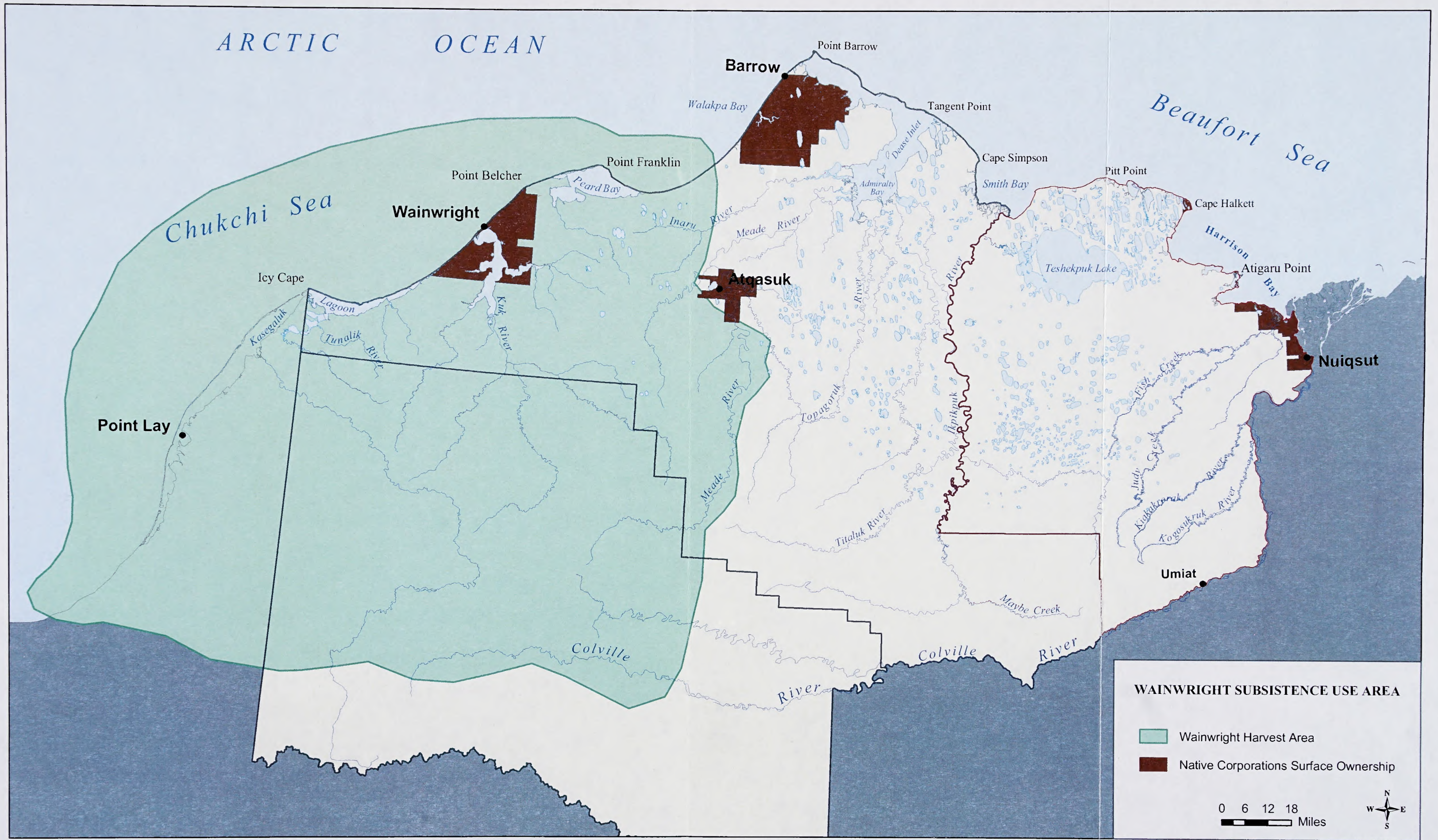


Map3-40. Atqasuk Subsistence Use Areas for Caribou, Moose, Fish, and Birds in the National Petroleum Reserve-Alaska



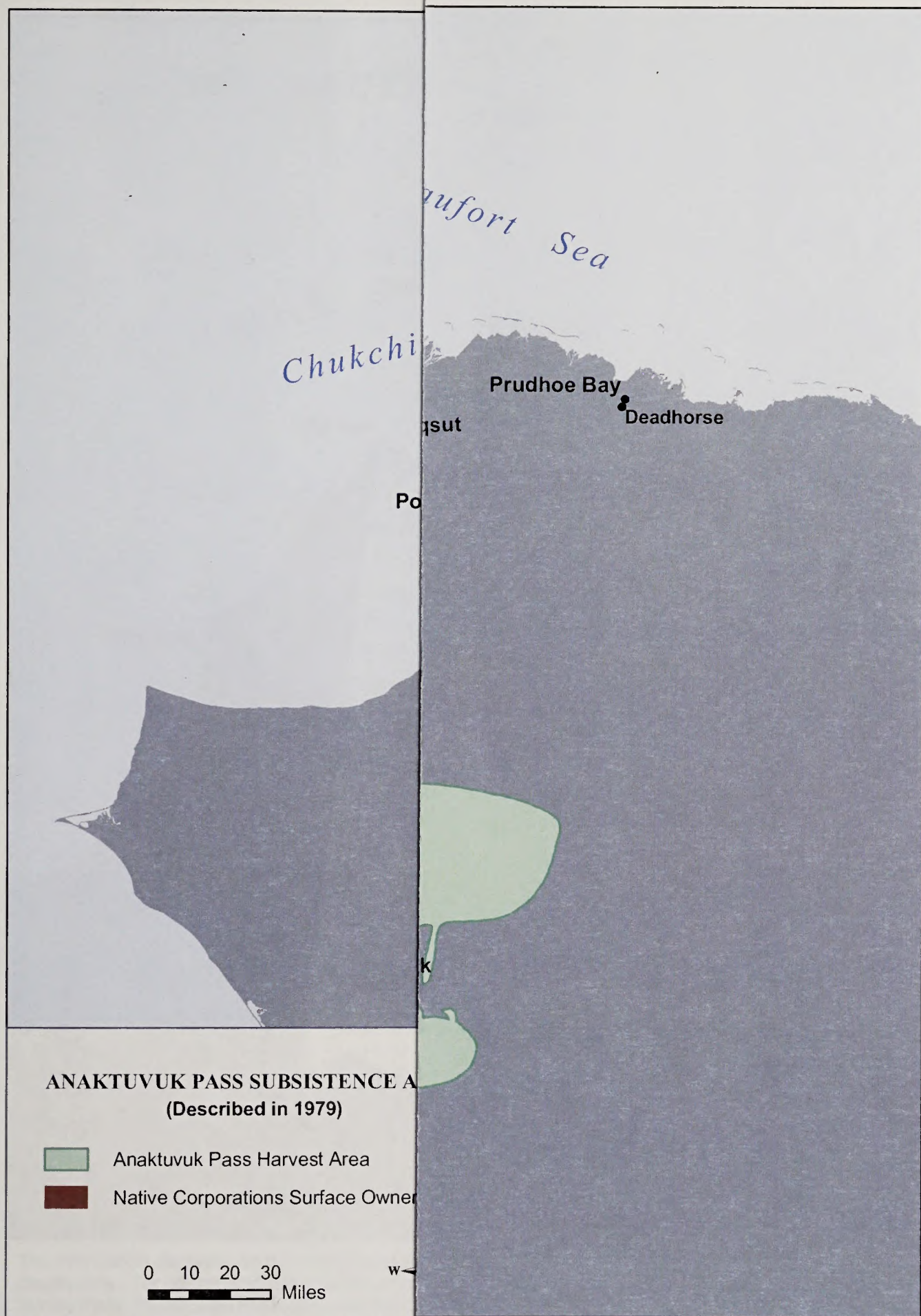
Source: Pedersen 1979; SRBA 1989b

Map 3-41. Wainwright Subsistence



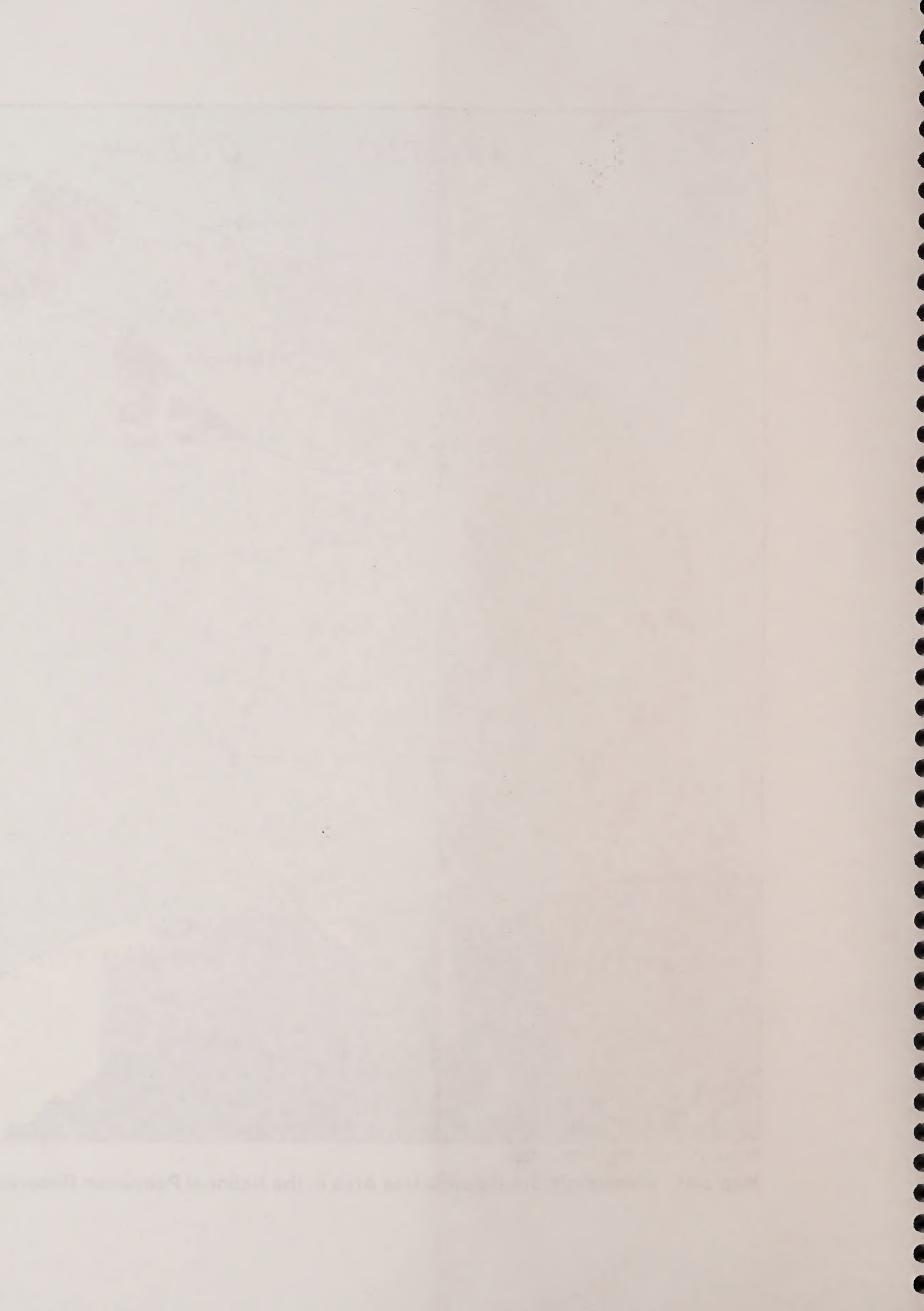
Source: Pedersen 1979; SRBA 1989b

Map 3-41. Wainwright Subsistence Use Area in the National Petroleum Reserve-Alaska



Source: Pedersen 1979

Map 3-42. Anaktuvuk Pass Subsistence Area



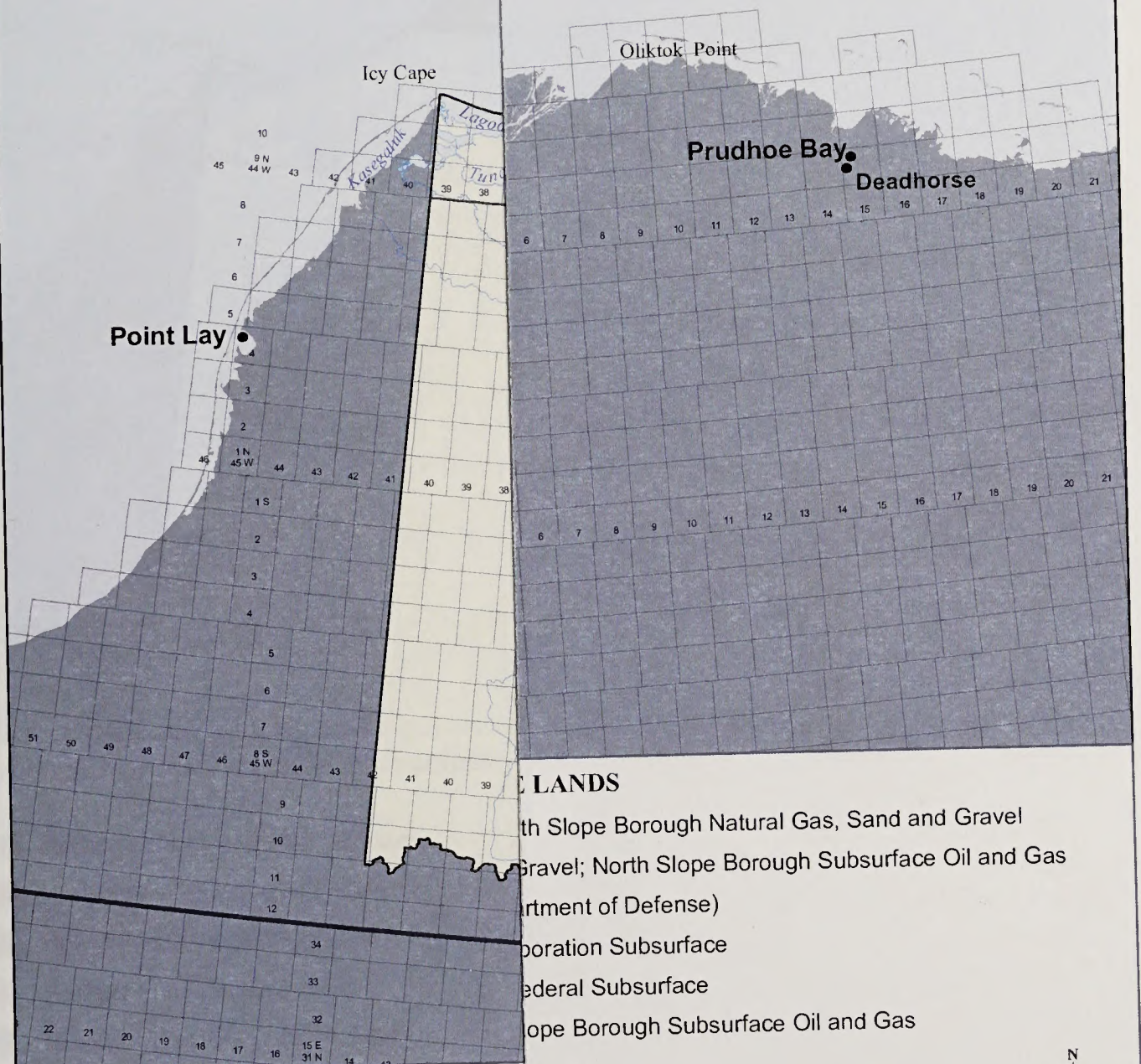


Source: Pedersen 1979

Map 3-42. Anaktuvuk Pass Subsistence Use Area in and near the National Petroleum Reserve-Alaska

ARCTIC

Chukchi Sea



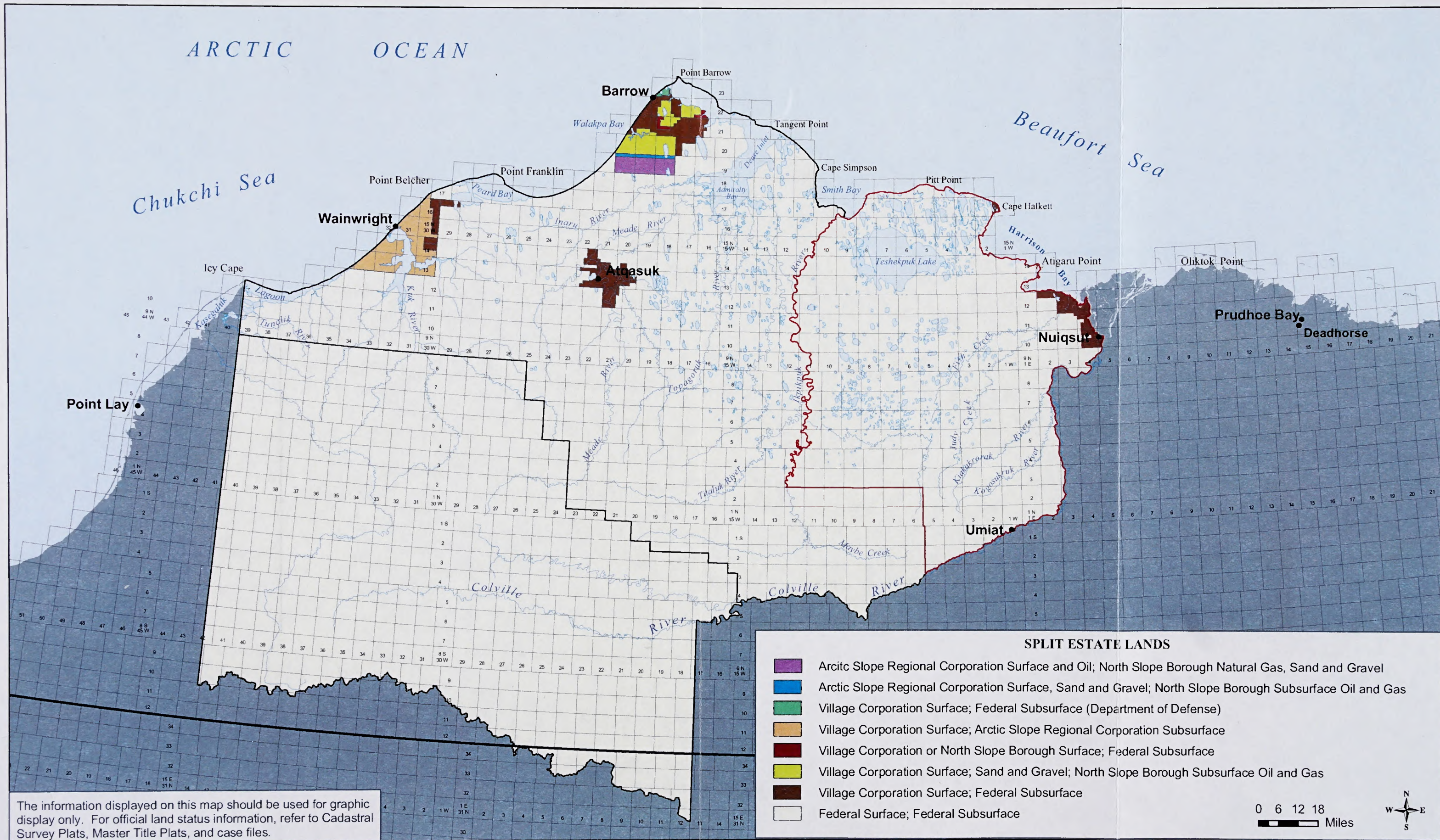
The information displayed on this map should be display only. For official land status information, Survey Plats, Master Title Plats, and case files.

Source: USDOI BLM MMS 2004

Map 3-43. Surface and Subsurface

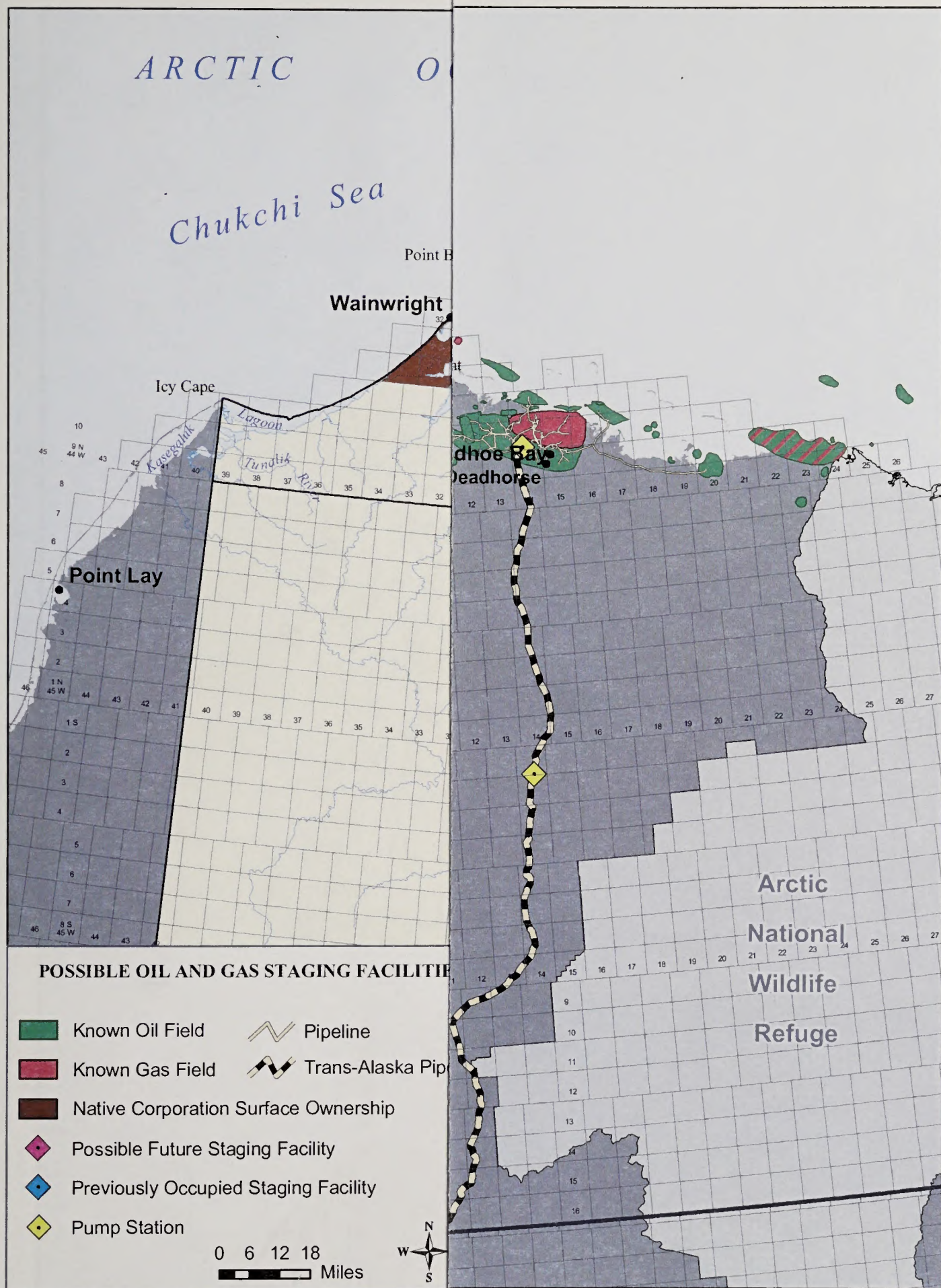
0 6 12 18
Miles





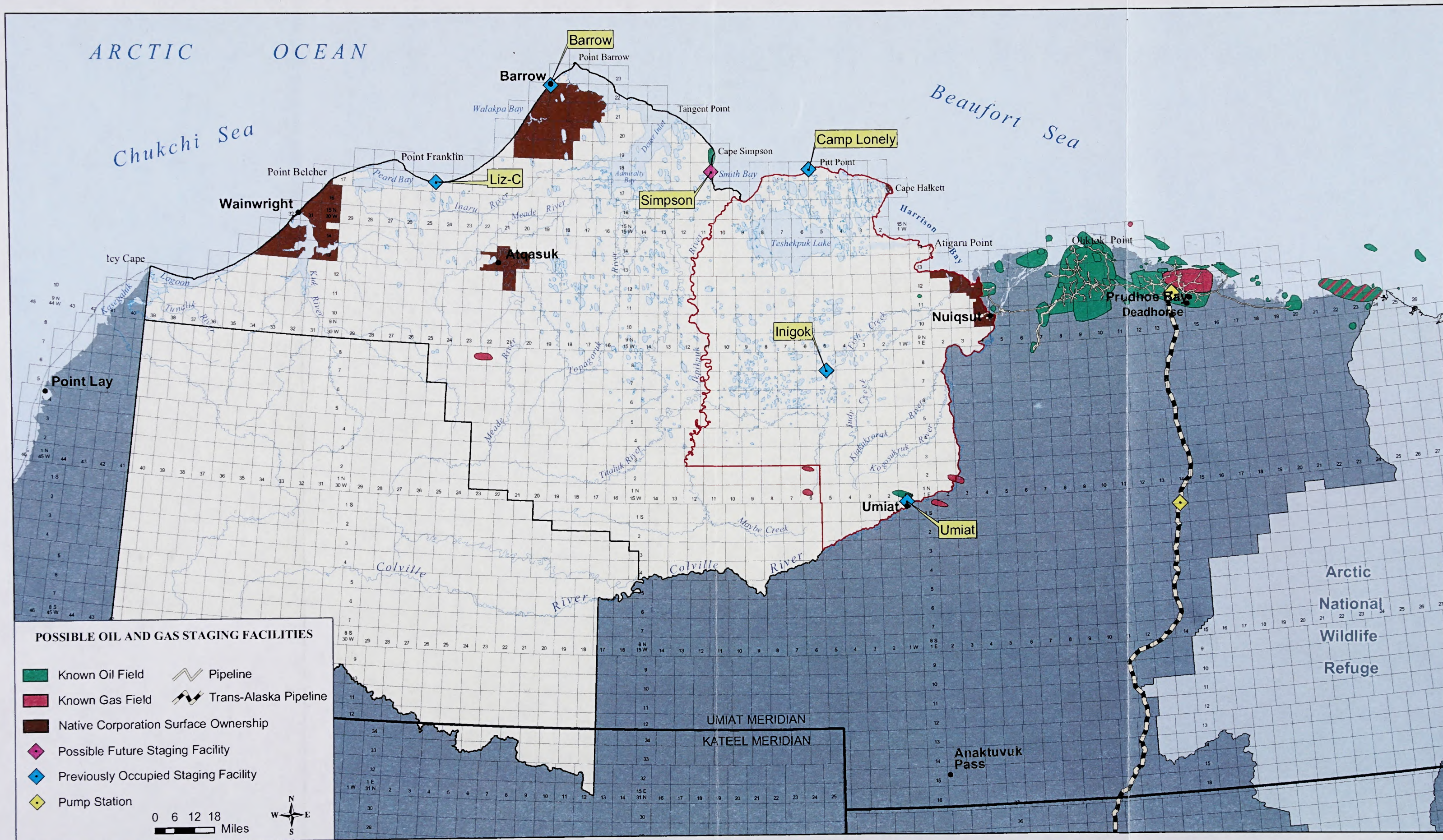
Source: USDOI BLM MMS 2004

Map 3-43. Surface and Subsurface Split Estate Lands in the National Petroleum Reserve-Alaska



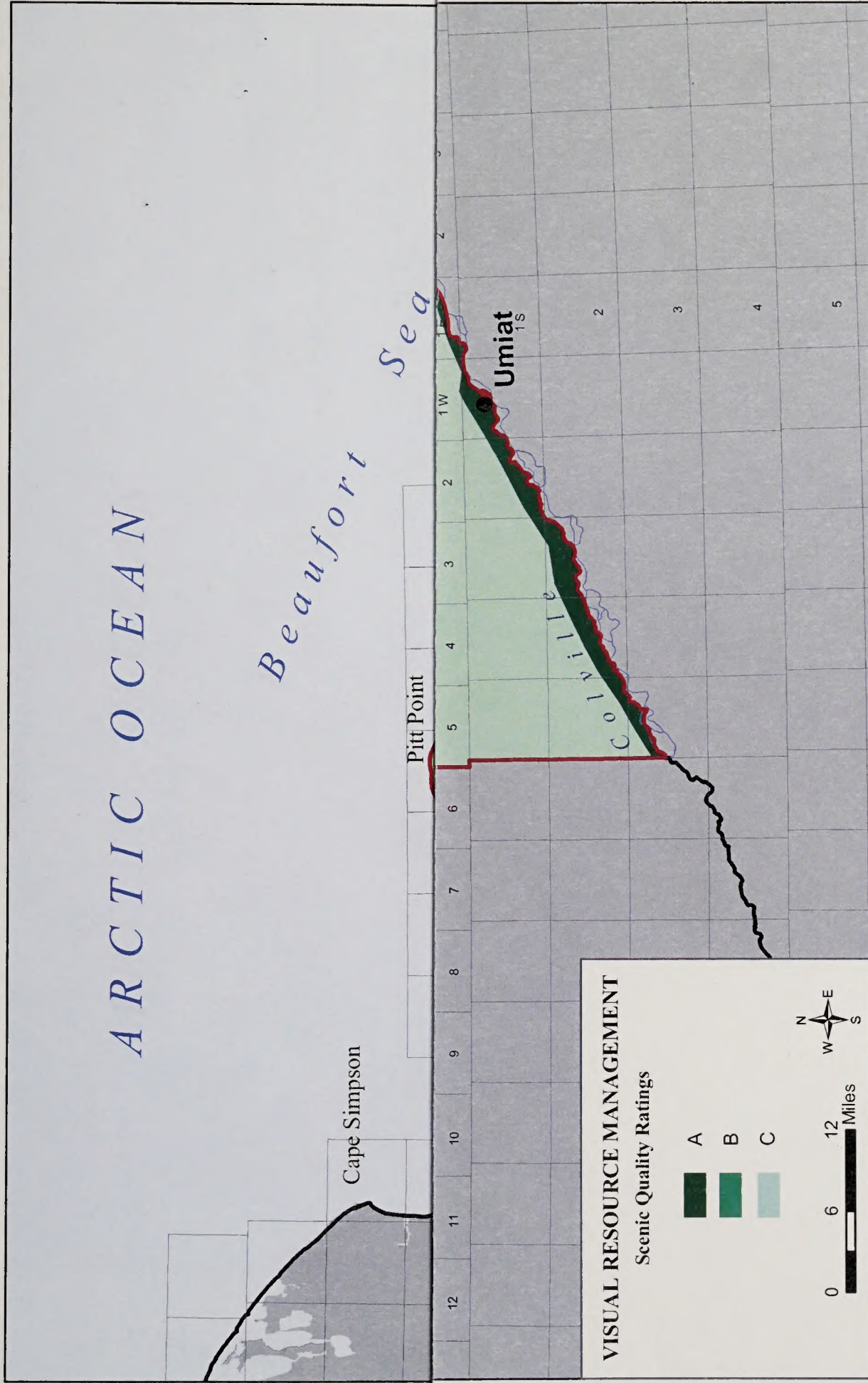
Source: USDOI BLM and MMS 1998

Map 3-44. Locations of Possible Oil and Gas Staging Facilities



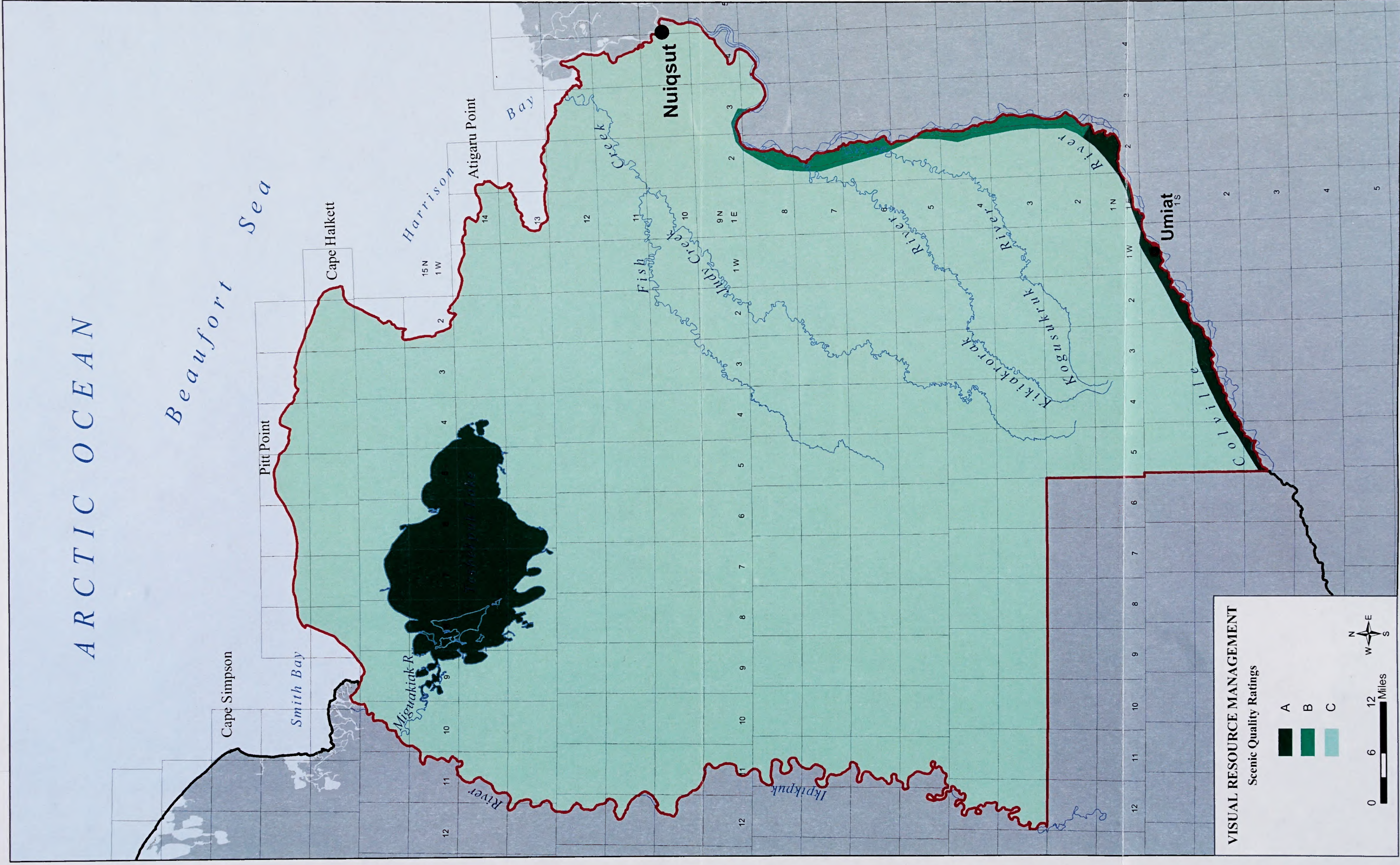
Source: USDOI BLM and MMS 1998

Map 3-44. Locations of Possible Oil and Gas Staging Facilities in the National Petroleum Reserve-Alaska



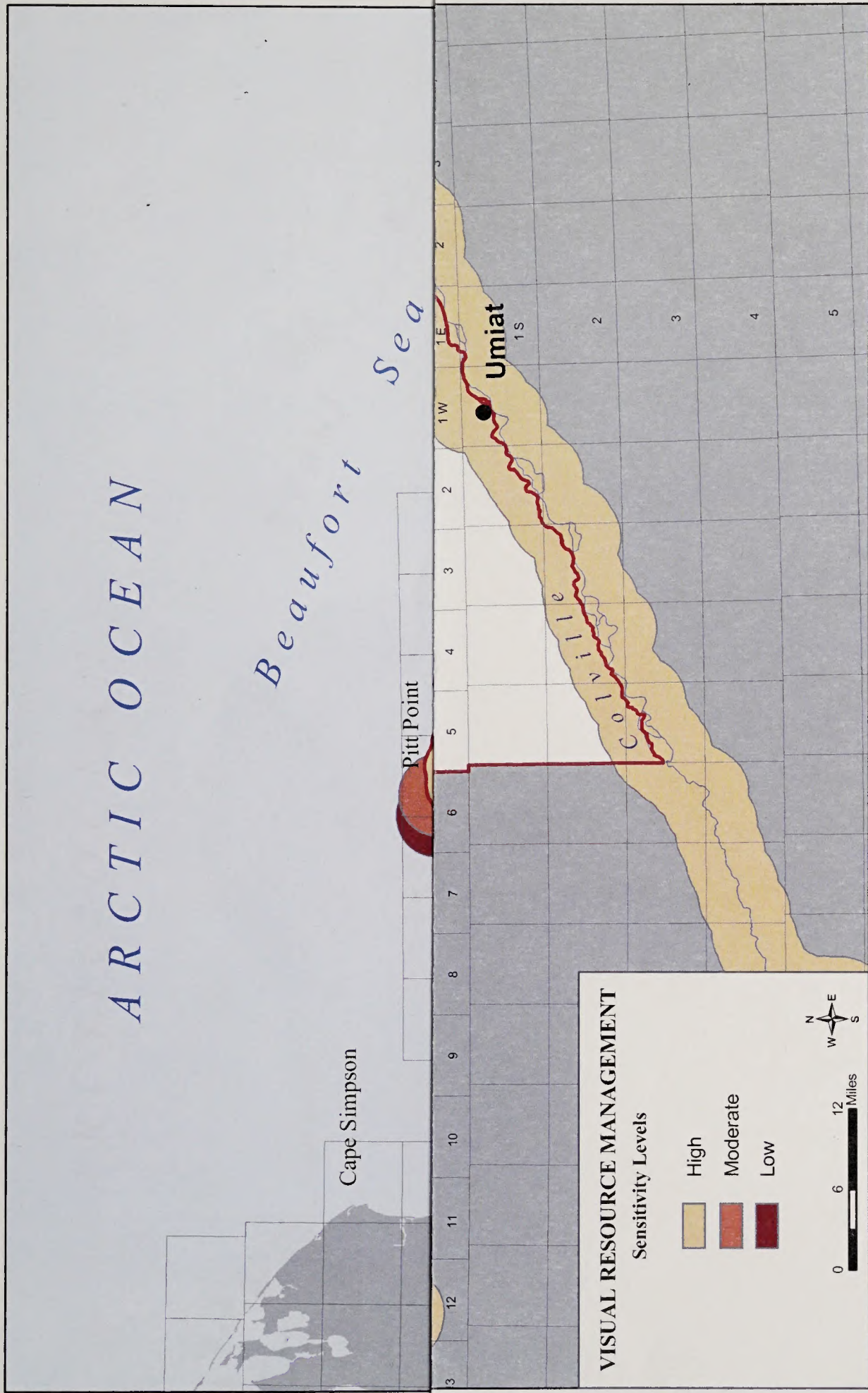
Source: BLM 2007

Map 3-45. Visual Resource Management Scenic Quality Ratings in the Northeast National Petroleum Reserve - Alaska



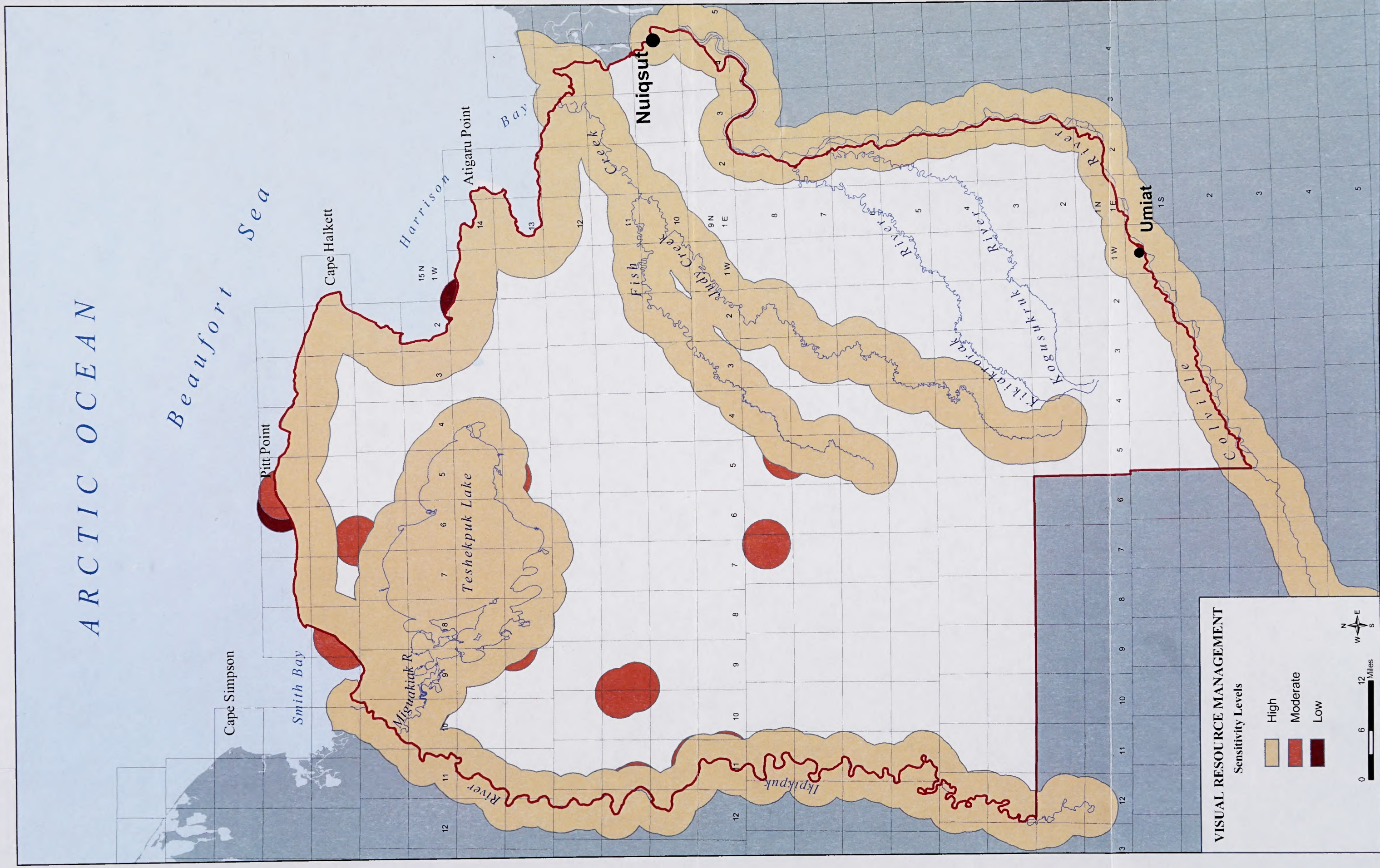
Source: BLM 2007

Map 3-45. Visual Resource Management Scenic Quality Ratings in the Northeast National Petroleum Reserve - Alaska



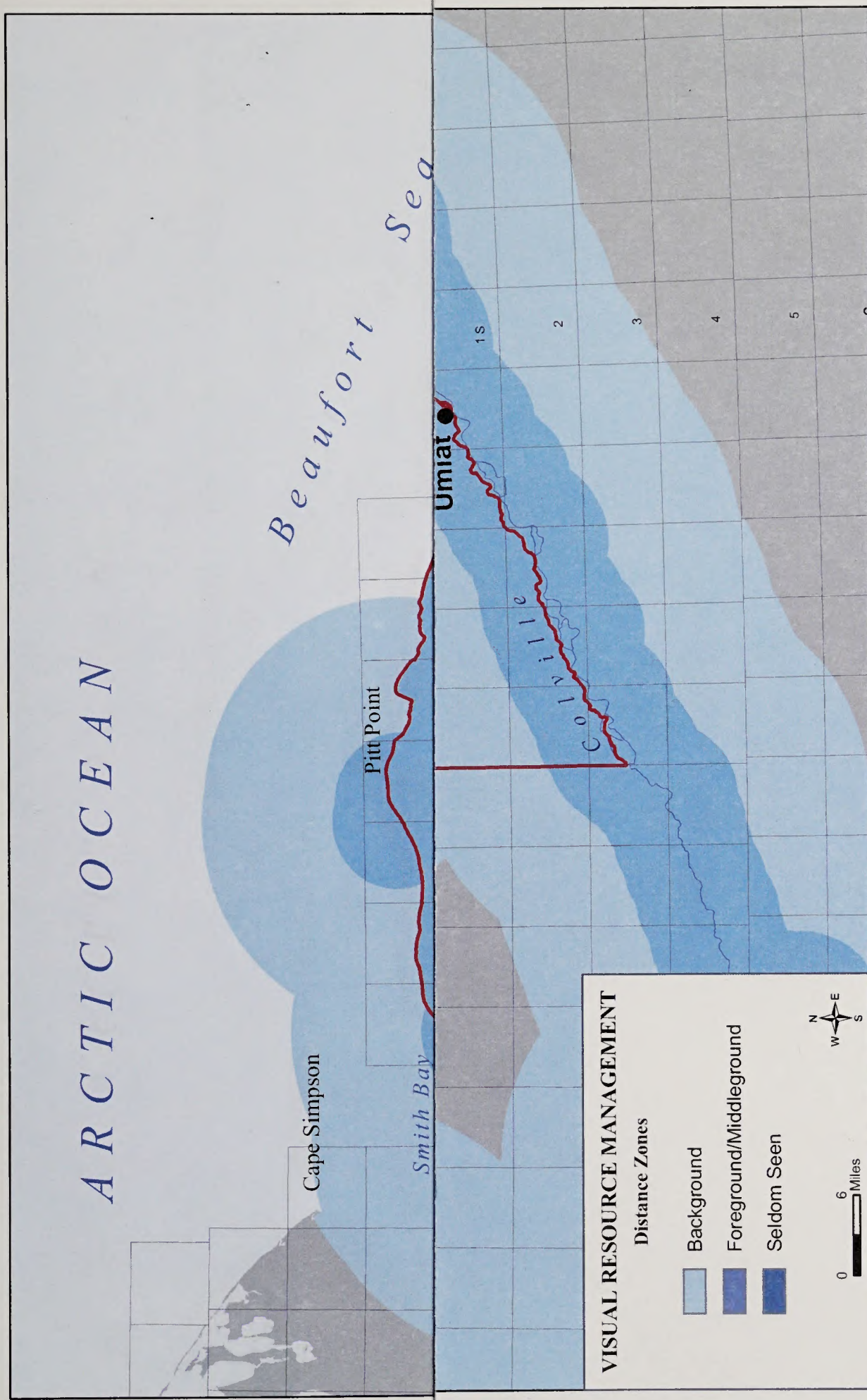
Source: BLM 2007

Map 3-46. Visual Resource Management Sensitivity Levels in the Northeast National Petroleum Reserve - Alaska



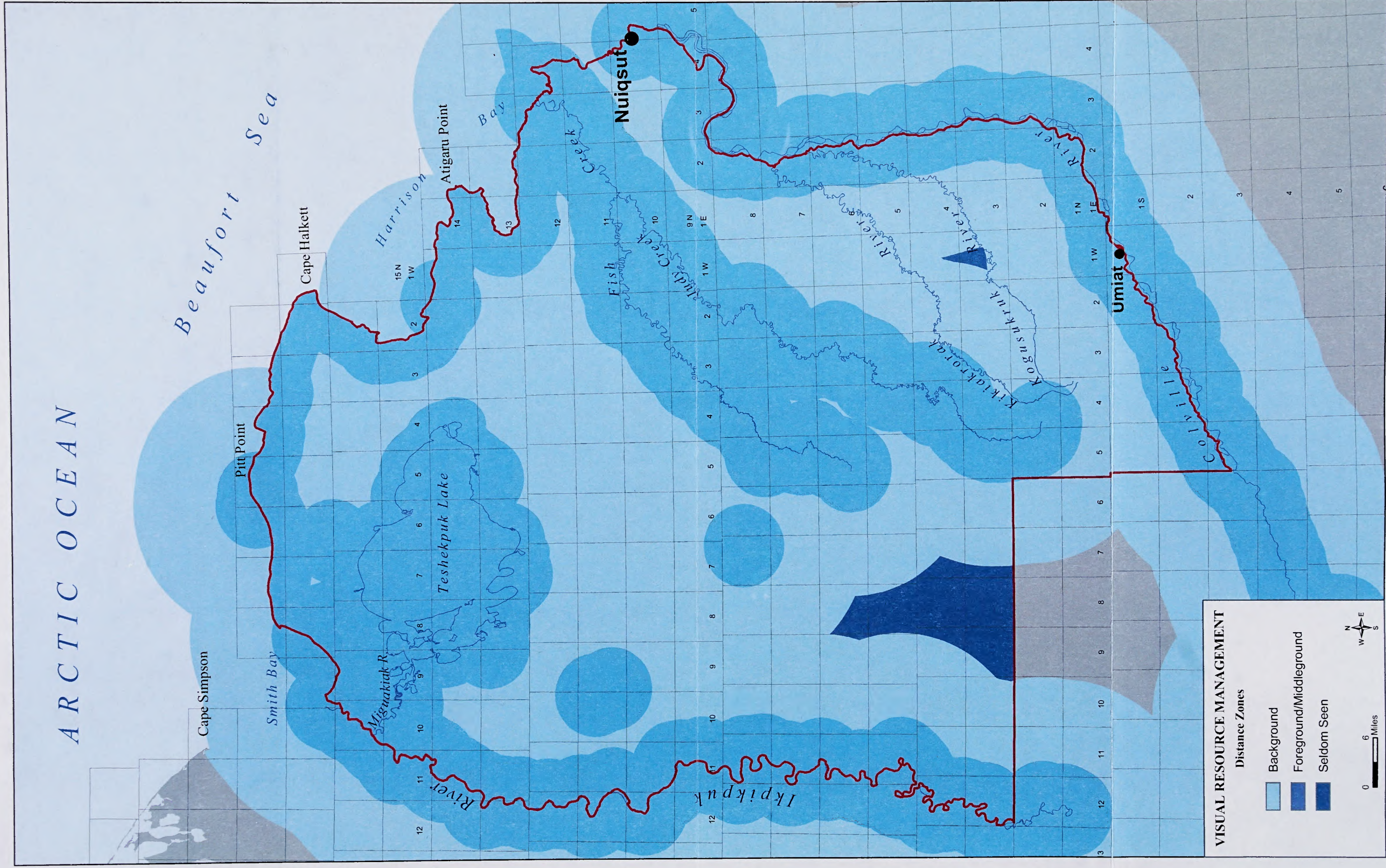
Source: BLM 2007

Map 3-46. Visual Resource Management Sensitivity Levels in the Northeast National Petroleum Reserve - Alaska



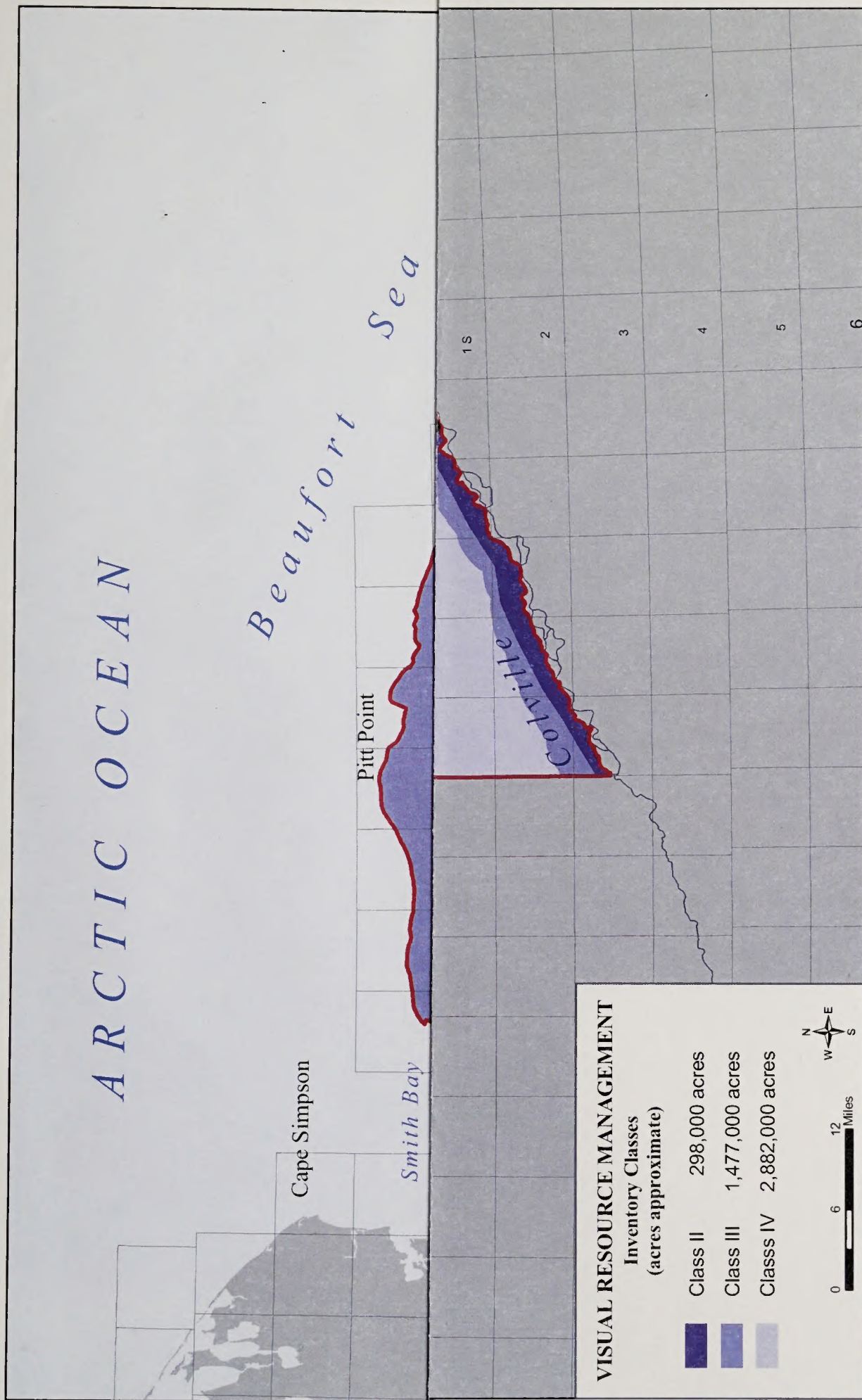
Source: BLM 2007

Map 3-47. Visual Resource Management Distance Zones in the Northeast National Petroleum Reserve - Alaska



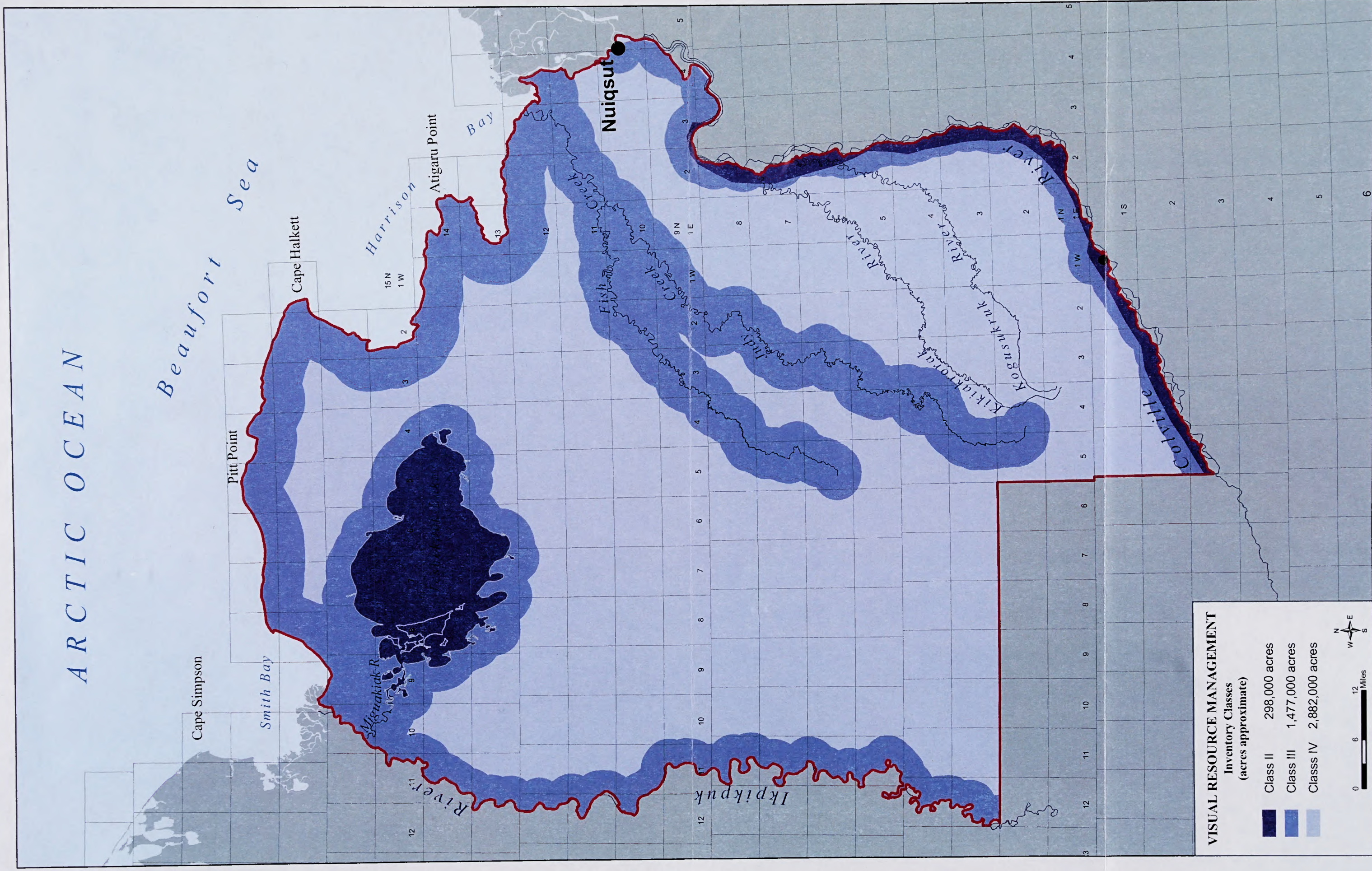
Source: BLM 2007

Map 3-47. Visual Resource Management Distance Zones in the Northeast National Petroleum Reserve - Alaska



Source: BLM 2007

Map 3-48. Visual Resource Management Inventory Classes in the Northeast National Petroleum Reserve - Alaska



Source: BLM 2007

Map 3-48. Visual Resource Management Inventory Classes in the Northeast National Petroleum Reserve - Alaska

